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March 29<sup>th</sup> 2022, 10:00-17:00 + Side Events

# [MindPhair]

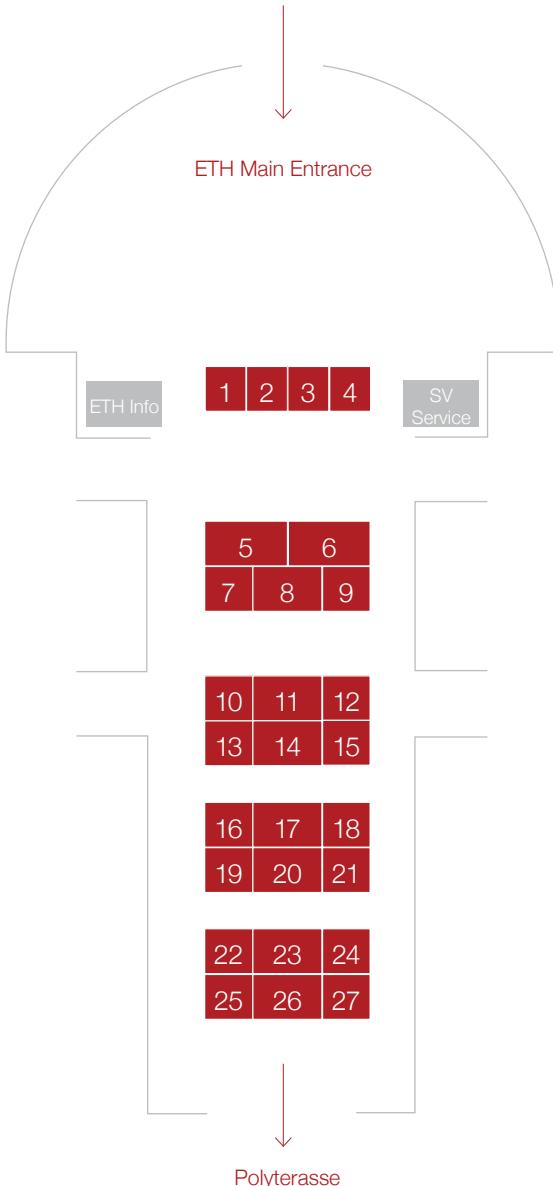
Job Fair for Mathematicians, Physicists and  
Computational Scientists at ETH

$$\left[ \frac{v}{mp} \right]$$

**voeth**

Fachverein  
Verband der  
Studenten  
an der ETH

# Fair Map



I am also interactive if you follow me here:



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## Greetings from the Rector

Studienrichtungen wie Mathematik oder Physik stellen eine solide Basis für ein breites und diverses Spektrum beruflicher Aktivitäten dar, wie uns die Befragungen unserer Absolventinnen und Absolventen zeigen. Sie arbeiten nicht nur als Forscherinnen und als Lehrer an Universitäten, Fachhochschulen und Mittelschulen.

Mathematikerinnen und Mathematiker trifft man in Versicherungen, Banken und in der Industrie, in der Software-Entwicklung, bei der Planung und Optimierung von Betriebsabläufen oder als Statistikerinnen in öffentlichen Ämtern.

Physikerinnen und Physiker sind nach dem Studium oft in der Forschung in industriellen oder staatlichen Laboratorien oder im Dienstleistungssektor tätig. Sie sind in ebenfalls in einem breiten Spektrum von Branchen zu finden – von Banken und Consultingfirmen bis hin zum Gesundheitsbereich.

Um den Studierenden der Mathematik und Physik die besten Optionen für das Leben jenseits der Akademie zu präsentieren und um ihnen eine fundierte Entscheidung zu ermöglichen, organisiert der Fachverein VMP die MindPhair. Sie ist sowohl für unsere Studierenden und Absolventinnen und Absolventen als auch für führende Unternehmen, Forschungseinrichtungen und Organisationen im privaten und öffentlichen Sektor eine ausgezeichnete Plattform für ein gegenseitiges Kennenlernen.



Für beide Seiten ist die persönliche Begegnung von zentraler Bedeutung. Unsere Studierenden lernen mögliche Arbeitgeber kennen, profitieren von den Erfahrungen von deren Mitarbeitenden, die den Wechsel in die Arbeitswelt bereits vollzogen haben, und die teilnehmenden Firmen und Organisationen kommen in den direkten Kontakt mit unseren Talenten!

Ich wünsche den Firmenvertreterinnen und -vertretern sowie unseren Studierenden und Absolventinnen und Absolventen eine erfolgreiche MindPhair 2022 und inspirierende Gespräche!

Günther Dissertori

Rektor der ETH Zürich

## President's Welcome

Dear reader

It is a pleasure to welcome you to the 9th edition of the MindPhair, the job fair for mathematics, physics and CSE students at ETH Zurich. We, the organisational team, are looking forward to holding the fair in the hall of the ETH main building after an absence of two years. This year, we are hosting a diverse group of 27 companies. Ranging from financial services to medical technology, from sensors to consulting and from insurance to startups, everybody should be able to find something they are interested in.

In case you are nearing the end of your studies and planning your professional future seems overwhelmingly difficult, this fair is a unique chance for you to find out more about your opportunities by talking to people from the industry. And for those of you who already have an idea of what direction they want to go in their career: this is your chance to network and ultimately find a job.

Complementing the fair will be several talks and other side events. During the talks, companies will introduce themselves and some of their projects. There is a startup event, where you can gain some insights into what working



at a startup could be like and at another event you can gather information regarding an academic career. To help you advertise yourself to potential employers, the Together Ag will help you with CV checks and the ETH Career Center will go through one of their interview trainings with you.

On behalf of everyone in the MindPhair commission, I want to thank all the volunteers from the VMP and all ETH offices helping us, without either of them we would not be able to organise the fair.

Lastly, I hope everybody will have intriguing conversations, make new acquaintances, successfully search for employment opportunities and, more generally, have a great time at this MindPhair.

Max

# Start your career now!

Der Karriere-Ratgeber für Studierende in der Schweiz

Hol dir dein Gratis-Exemplar an der [MindPhair]



→ Weitere Informationen: [www.talendo.ch](http://www.talendo.ch)

Career Starter  
Download

[talendo.ch/de/career\\_starter](http://talendo.ch/de/career_starter)



**talendo – Partnerin für Studium, Berufseinstieg und Karriere**

Mit der führenden Jobplattform talendo.ch, einzigartigen Events & Messen, dem Karriere-Ratgeber Career Starter sowie einem grossen Netzwerk unterstützen wir Studierende & Graduates auf der Suche nach der passenden Einstiegsstelle oder der passenden Weiterbildung.



**talendo – partner for studies, career and job entry**

With the leading job platform talendo.ch, unique events & fairs, the career guide Career Starter as well as a large network, we support students & graduates in their search for the first job or the right education.

## CV Check

**CV Checks & CV Photo Station**  
No registration required

**29.03.22    10.00 - 17.00    ETH HG**



Please confirm the latest event details (location) on the event page via the QR-code above.





### Mathematical modelling of financial derivative products and high-performance computing

– Patrick Küppinger, Head Quant Group,  
Derivative Infrastructure & Analytics at Vontobel

Are you interested in learning how the skills you acquired during your “Numerical Methods” and “Analysis” courses are applied day-to-day in Quantitative Finance? Are you curious about how mathematical tools for modelling financial products rely on high-performance compute capabilities? Then join us for our presentation of Vontobel’s Quant Team!

29.03.22    10.15 - 11.00    HG E3



Please confirm the latest event details (location) on the event page via the QR-code above.



### Managing Risk in a World of Sustainable Energy

– Vlatka Komaric and Reto Kaspar

Are you interested in the world of energy?

Then make sure you don't miss the speech of Vlatka Komaric, Head Quantitative Risk Management and Reto Kaspar, Head Market Risk at Axpo on March 29th from 11.00 - 12.00.

They will introduce you to the challenges and optimization of gas storage and managing risk in a sustainable energy future.

As Switzerland's largest producer of renewable energy and an international leader in energy trading and the marketing of solar and wind power, we combine the experience and expertise of more than 5000 employees driven by a passion for innovation, collaboration and impactful change. Through cutting-edge technologies, we innovate to meet the evolving needs of our customers in over 30 countries across Europe, the US and Asia.

We look forward to meeting our future talents and providing you with a glance behind the scenes of the energy industry during this presentation.

29.03.22    11.15 - 12.00    HG E3



Please confirm the latest event details (location) on the event page via the QR-code above.



### Algorithmen als Gestalter der Mobilität der Zukunft

- Joé Goelff, Sachverständiger Prüfer Realisierung
- Reto Ramseier, Data Scientist

Hast du dich jemals gefragt, wie Algorithmen zur Gestaltung des Schweizer Bahnsystems beitragen können?

An unserem Talk erfährst du mehr über «Algorithmics» und Optimierung in der Ressourcenplanung sowie über einen Prototypen zur interaktiven, auf Algorithmen gestützte Teilneuplanung von Rollmaterialumläufen.

Das ist aber nicht alles: Wir zeigen dir auf, wie du mit 230 km/h ohne Signale durch den Gotthard Basis Tunnel sicher ins Tessin kommst und wie auch du mit uns die Schweiz bewegen kannst.



### Interview Preparation

- Lorena Coletti – Career Coach and Project Manager &
- Michael Grunder – Career Coach and Project Manager

During this session, you will have the opportunity to watch a film produced by the ETH Career Center and in which actors portray a typical job interview.

You will view and reflect on different scenes from the video so that you can become familiar with typical interview questions, acceptable and inadequate answers, and other classic mistakes to avoid.

Thanks to the video sequences and the facilitators' explanations and comments, you will learn:

- What to expect from a job interview
- Why the interviewer asks certain questions
- How to portray yourself in the best light possible.

29.03.22    12.15 - 13.00    HG E3



Please confirm the latest event details (location) on the event page via the QR-code above.

29.03.22    13.15 - 14.00    HG E3



Please confirm the latest event details (location) on the event page via the QR-code above.


**News headlines and financial markets**

– Joe Wallace

Financial markets are closely connected to what is happening in the world, from geo-political tensions to central bank decisions, specific company announcements and even CEO tweets. Traders therefore use headlines disseminated by news agencies to improve decision making, forecast potential market impacts and balance the associated risks.

Optiver is a market maker for various financial products and is therefore naturally linked to wider trends and news. In this talk, I shall give illustrations of the relationship between headlines and markets, explain practical subtleties that complicate the situation, and show examples of mathematical techniques that can be used to solve parts of this problem.

**29.03.22    14.15 - 15.00    HG E3**



Please confirm the latest event details (location) on the event page via the QR-code above.


**New futures and rewarding careers at the Quantum Research Centre in Abu Dhabi, UAE**

– Dr Sana Amairi-Pyka,  
Lead Scientist – Quantum Communications,  
Quantum Research Centre, TII

Would you like to be part of the very first team setting up the largest quantum research centre in the middle east with cutting-edge technologies, brilliant minds, and the best from both worlds of industry and academia?

We will present in a nutshell the newly established Quantum Research Centre (QRC) at the Technology Innovation Institute (TII) in Abu Dhabi, UAE. Join us to learn about our research labs in the fields of Quantum computing, Quantum Sensing and Quantum Communications, as well as our unique work environment and future opportunities.

**29.03.22    15.15 - 16.00    HG E3**



Please confirm the latest event details (location) on the event page via the QR-code above.



### SOLID Principles - Wie Code länger als eine Masterarbeit lebt

– Stefan Lochau, Software Engineer, MSc Mathematik ETH

Produktiver Code in der Wirtschaft unterscheidet sich stark von Software in einem akademischen Kontext: Es wird öfter in grösseren Teams gearbeitet, die Nutzungsdauer ist länger und die Anforderungen können sich markant ändern.

Seit über zwanzig Jahren gibt es die SOLID Principles als Basis, wie man Code schreibt, der sich über eine lange Zeit anpassen und weiterverwenden lässt. Sie bilden einen fundamentalen Grundstein in der Arbeit als Software Engineer. Mit Beispielen erkunden wir, wie die 5 Prinzipien dazu beitragen, Software lesbar, wartbar und korrekt zu halten.



### MLOps - How to Use Machine Learning in Production

– Roman Moser (Senior Consultant),  
– Spyros Cavadias (Consultant)

MLOps is a set of practices to transition machine learning models from isolated experiments to reliable and maintainable production systems. It serves as a counterpart to the DevOps practice in classical software development and includes everything from data ingestion and preparation to model training, tuning and serving as well as monitoring and orchestration. In this talk we will present all steps of an MLOps workflow on a real-world example and show how to implement a production ML system with a set of open source tools. Furthermore, we present the different MLOps components and solutions of various cloud platforms.

#### Outline

1. Why MLOps is needed
2. ML lifecycle and MLOps Theory (CI, CT, CD)
3. Overview of Big Data Provider Solutions (AWS, GCP, Azure)
4. Walkthrough MLOps workflow (case study)

#### Target Audience

Everyone interested in machine learning and data science. No prior knowledge or experience required.

**29.03.22    16.15 - 17.00    HG E3**



Please confirm the latest event details (location) on the event page via the QR-code above.

**31.03.22    17.15 - 18.00    HG E3**



Please confirm the latest event details (location) on the event page via the QR-code above.

# [MindPhair]

## Startup Event



### MindPhair Event: Working in a Startup

- Anil Sethi, lecturer ETH MTEC
- Eva De Leo, Polariton
- Denys Sutter, condenZero
- Philipp Andermatt, Kitro
- Henry Twerenbold, Aseptuva
- Bernhard Winter, Scewo

The working environment in Startups is known to be quite different from that in established companies. More flexible working times, a wider scope of tasks, daily new challenges to overcome and coworkers with excellent problem solving skills and high commitment is what comes to mind when thinking about everyday life in a startup.

This MindPhair Event aims to give insight into which of these expectations are true, the upshots but also the downfalls of working in a Startup. In a series of five short interactive talks, we will present what working life in a Startup looks like.

The talks are given by serial entrepreneur and author Anil Sethi and founders and employees of six interesting Tech-Startups which give insight into their everyday working life.

If you want to know whether a Startup is the place for you to start your career or not, this is your event.

## PhD Event



### MindPhair Event: Work as a PhD Student

- Prof. Dr. Rachel Grange, ETH Zurich
- Prof. Dr. Yiwen Chu, ETH Zürich
- Katharina Kolatzki, PhD Student in Physics, President AMP
- Paula Truöl, PhD Student in Mathematics, Boardmember VMM

What is it like to work as a doctoral student? Depending on the type of research you want to conduct and the university you work for the answer to this question will vary strongly. Apart from focussing on research itself, everyday tasks may include teaching, taking care of bureaucratic chores, organization of events and supervision of student projects.

To help you figure out whether a PhD is a career that you could see yourself pursuing, we have invited a number of current PhD students and professors to give short talks on how they perceive working life as a PhD, what is expected by supervisors and what they find important when making the decision to conduct research.

The event will also allow you to ask questions you might have about applying for PhD positions and address any further doubts about doctoral studies.

**24.03.22 18.15 - 19.45 HG E1.2**



Please confirm the latest event details (location) on the event page via the QR-code above.

**31.03.22 18.15 - 19.45 HG E1.2**



Please confirm the latest event details (location) on the event page via the QR-code above.

And now  
curtains up for  
this year's...

Participating  
companies

# Let's care for tomorrow.

Nimm deine Zukunft in die eigene Hand.  
Werde Trainee bei der Allianz.



[careers.allianz.com/schweiz](http://careers.allianz.com/schweiz)

## Company Description

Die Allianz wurde vor über 125 Jahren in München gegründet und ist heute eine der weltweit stärksten Finanzgesellschaften.

In der Schweiz verlassen sich über eine Million Privat- und Unternehmenskunden in allen Lebens- und Entwicklungsphasen auf die Beratung und den Versicherungs- und Vorsorgeschutz der Allianz Suisse.

Wir sind stolz darauf, eines der renommiertesten Versicherungs- und Asset-Management-Unternehmen der Schweiz zu sein.

## Philosophy

«Let's care for tomorrow» ist unser Versprechen, uns um die Zukunft zu sorgen und Sicherheit zu geben.

Wir arbeiten alle gemeinsam daran, die Zukunft der Versicherungsbranche zu prägen. Was uns dabei hilft? Unsere Vielfalt. Die verschiedenen Ideen, Hintergründe, Ansichten, Erfahrungen und Persönlichkeiten eines jedes einzelnen von uns. Denn genau diese Vielfalt ist es, die es uns allen ermöglicht, weiter voranzukommen und zu wachsen.

Werde Teil des vielfältigen Allianz-Teams und finde genau den Job, der zu dir, deinen Ambitionen, Träumen und Zielen passt.

## Contact for application

[careers.allianz.com/schweiz](http://careers.allianz.com/schweiz)

## Degrees

	BSc	MSc	PhD
CSE	●	●	●
Mathematics	●	●	●
Physics	●	●	●

## Opportunities

- Direct Employment
- Trainee program
- Internship ~12 Month
- Internship ~6 Month
- Master Thesis

## Locations



# Join us and shape the energy future!

As the largest Swiss producer of renewable energies and an international leader in energy trading and the marketing of solar and wind power, we offer students, doctoral candidates and university graduates the best conditions for a challenging and varied start to their careers.



The Power of You

## Company Description

Axpo is Switzerland's largest producer of renewable energy and an international leader in energy trading and the commercialisation of solar and wind power. 5000 employees combine experience and expertise with a passion for innovation. In over 30 countries in Europe, Asia and the USA, Axpo develops innovative energy solutions based on state-of-the art technologies for its customers. In this way, we open up perspectives and generate new impulses for a life full of energy. Today we are setting the course for tomorrow's electricity supply: as the largest producer of renewable energies in Switzerland, we are making sustainable investments in the technologies of the future. Our focus is on hydropower, wind and biomass at optimal locations. On its way into this future, Axpo is thus

## Contact for application

[axpo.com/career](http://axpo.com/career)

## Degrees

	BSc	MSc	PhD
CSE	●	●	●
Mathematics	●	●	●
Physics	●	●	●

## Opportunities

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- Internship ~6 Month
- Master Thesis

securing a consistently sustainable and climate-friendly energy supply for its customers in Switzerland. Today, Axpo ranks among the leading energy traders worldwide. The business of tailor-made energy solutions for customers opens up a world of opportunity for Axpo. Do you want to shape the future of the energy sector? Join the Axpo Group!

## Philosophy

Reliability, sustainability and innovation. These values have shaped Axpo's over 100-year history. We continue to live them today in order to move the company forward together. As a reliable partner, Axpo has earned trust and credibility. Environmental, economic and social sustainability is deeply rooted in our business activities. Innovation and pioneering spirit are anchored in Axpo's DNA and the daily search for even better solutions is our passion.

## Locations



# "MY BUSINESS CARD SAYS CONSULTANT. MY BUSINESS SENSE SAYS OWNER. I'M IN GOOD COMPANY."

**DEIKE**, ASSOCIATE PARTNER

Bain & Company sucht Nachwuchs, der wie ein Unternehmer denkt und handelt. Lernen Sie uns kennen und erfahren Sie mehr über Ihre einzigartigen Karrierechancen – auf [www.joinbain.ch](http://www.joinbain.ch)

[joinbain.ch](http://joinbain.ch)

BAIN & COMPANY 



## Company Description

Bain & Company is a global consultancy that helps the world's most ambitious change makers define the future.

Across 63 offices in 38 countries, we work alongside our clients as one team with a shared ambition to achieve extraordinary results, outperform the competition and redefine industries. We complement our tailored, integrated expertise with a vibrant ecosystem of digital innovators to deliver better, faster and more enduring outcomes. Our 10-year commitment to invest more than \$1 billion in pro bono services brings our talent, expertise and insight to organizations tackling today's urgent challenges in education, racial equity, social justice, economic development and the environment. We earned a gold rating from EcoVadis, the leading platform for environmental, social, and ethical performance ratings for global supply chains, putting us in the top 2%

## Contact for application

[joinbain.de/en/bewerben/](http://joinbain.de/en/bewerben/)

[katharina.meier@bain.com](mailto:katharina.meier@bain.com)

## Degrees

	BSc	MSc	PhD
CSE	●	●	●
Mathematics	●	●	●
Physics	●	●	●

## Opportunities

- Direct Employment
- Trainee program
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- Internship ~6 Month
- Master Thesis

## Locations





Confinale ist einer der führenden Avaloq-Dienstleistern für Steuern, Compliance, Vermögensberatung, regulatorisches Reporting und das Kreditgeschäft mit 80 Mitarbeitenden in der Schweiz, Deutschland und Großbritannien. Für unsere Sparte IT-Consulting suchen wir einen

## IT Consultant / Business Analyst

Suchen Sie einen Einstieg in die Beratung international tätiger Kunden und schätzen Sie abwechslungsreiche und anspruchsvolle Aufgaben? Confinale bietet Ihnen die Möglichkeit, Ihre IT- und betriebswirtschaftlichen Kenntnisse einzusetzen und Ihre Karriere zu starten.

### IHRE STÄRKEN UND ERFAHRUNGEN

- Überdurchschnittlicher Master oder PhD Abschluss in Physik, Informatik, Mathematik, Wirtschaftsingenieurwesen oder vergleichbarer Natur
- Hohe IT-Affinität und ausgeprägte analytische Fähigkeiten
- Praktisches Fachwissen im Bereich relationaler Datenbanken (Oracle)
- Programmiererfahrung (PL/SQL) sind von Vorteil
- Teamplayer mit hoher Flexibilität und Belastbarkeit
- Ergebnisorientierte Persönlichkeit mit einem proaktiven Ansatz und ausgezeichneten Kommunikationsfähigkeiten
- Sehr gute Deutsch- und Englischkenntnisse

### KONTAKT

Bitte senden Sie Ihre kompletten Bewerbungsunterlagen via Email an [career@confinale.ch](mailto:career@confinale.ch)

### IHRE HAUPTAUFGABEN

- Implementation des Avaloq Banking Systems in ausgewählten Fachbereichen
- Entwicklung von innovativen Front-End-Lösungen für Banken
- Design und Parametrisierung verschiedener Business Cases entsprechend den Bedürfnissen unserer Kunden
- Schreiben von Business- oder technischen Spezifikationen
- Training der Anwender

### UNSER ANGEBOT

- Spannender Einstieg in die IT-Beratung mit intensiven Einführungsschulungen
- Organischer, klar definierter und realisierbarer Karrierepfad
- Ausgezeichneter Teamgeist und Zusammenarbeit mit Gleichgesinnten in einem innovativen und kollaborativen Umfeld
- Home-Office-Möglichkeit für eine optimale Work-Life-Balance
- Attraktive und leistungsorientierte Vergütung

### Company Description

New technologies, new regulatory requirements and new forms of customer behaviour are constantly presenting banks with new challenges in digitizing their processes. As an IT consulting and software development company specializing in the banking sector, we offer our customers the appropriate solutions. Our focus is on tax, compliance, wealth management and credit transactions. We either develop new functionalities in the existing core banking system or integrate our own applications or those developed by third parties. With our consulting and development teams, we cover the entire process over the course of an IT project. The range of services extends from the consulting and conception phase,

through the analysis and design phase, to actual development, implementation and IT maintenance.

### Philosophy

We take full responsibility for what we do and do things the proper way. Reliability and transparency towards our customers distinguish us from others. We promote the strengths of each individual employee. We only achieve top results as a team. Company events connect us and are fun.

### Contact for application

[career@confinale.ch](mailto:career@confinale.ch)

### Degrees

	BSc	MSc	PhD
CSE	●	●	●
Mathematics	●	●	●
Physics	●	●	●

### Locations



### Opportunities

- Direct Employment
- Trainee program
- Internship ~12 Month
- Internship ~6 Month
- Master Thesis

analytisch.  
technologisch.  
quantitativ.



## Ihre Karriere bei d-fine Schweiz

### Absolventen (m/w/d)

#### **Wir bieten**

- » Einen fordernden und interessanten Arbeitsplatz mit Perspektiven
- » Überdurchschnittliche Entlohnung und soziale Leistungen, tolle Mitarbeiter-Events und vieles mehr
- » Intensive Einführungsschulungen in Ihr zukünftiges Aufgabenfeld
- » Anspruchsvolles Weiterbildungsprogramm auf höchstem Niveau in Zusammenarbeit mit führenden

#### **Werden Sie Teil des Teams!**

Als wachstumsstarkes Unternehmen suchen wir zur Verstärkung unseres Consulting-Teams ganzjährig Absolventen (m/w/d). Wenn Sie gerade studieren, die Universität abgeschlossen oder bereits erste Berufserfahrung gesammelt haben, dann freuen wir uns auf Ihre Bewerbung über unser d-fine Stellenportal oder alternativ per E-Mail an: [careers@d-fine.ch](mailto:careers@d-fine.ch)

#### Company Description

d-fine ist ein kontinuierlich wachsendes europäisches Beratungsunternehmen mit über 1.000 Mitarbeiterinnen und Mitarbeitern. Wir sind mit acht Standorten in vier Ländern nah bei unseren Kunden. Im Fokus unserer Projekte liegen quantitative Fragestellungen rund um Data Analytics, Data Science, Modellierung und den Aufbau nachhaltiger technologischer Lösungen. Unser Beratungsansatz basiert auf langjähriger Praxiserfahrung und dynamischen Teams mit klarer analytischer und technologischer Prägung.

Unsere Projekte sind vielfältig. Das trifft sowohl auf Themen und Kunden zu als auch auf die Projektmodelle. Wir arbeiten als Team vor Ort beim Kunden, gemeinsam aus einem unserer Büros oder auch remote in virtuellen Projekträumen.

#### Contact for application

[d-fine.com/karriere/schweiz/stellenportal/](http://d-fine.com/karriere/schweiz/stellenportal/)

#### Degrees

	BSc	MSc	PhD
CSE	●	●	●
Mathematics	●	●	●
Physics	●	●	●

#### Philosophy

d-fine legt Wert auf einen fairen Umgang mit Team, Kunden und Geschäftspartnern. Der Erfolg unserer Projekte liegt in der engen und vertraulichen Zusammenarbeit mit unseren Kunden begründet. Teambildung statt Ellenbogengesellschaft ist für uns Teil der Firmenphilosophie und spiegelt sich in Projektstrukturen, persönlicher Förderung und Anreizsystemen wider.

#### Locations



#### Opportunities





# WE HIRE SMARTIES.

Talk:  
MLOps - How to Use  
Machine Learning in  
Production  
31.03.2022  
17:15 - 18:00

Our work, data-driven value creation, requires bright minds. Getting to the bottom of things, thinking out of the box, and using the power of the question are key disciplines which we seek and you have.

We bet that you will love the high signal / low noise environment, smooth administration, and absence of politics that D ONE offers.

If you strive for challenging work, an inspiring team and excellent career perspectives: call us (Stamatis Stefanakos, +41 44 435 10 10).



## DATA DRIVEN VALUE CREATION

DATA SCIENCE & ANALYTICS | DATA MANAGEMENT | VISUALIZATION & DATA EXPERIENCE

D ONE, Sihlfeldstrasse 58, 8003 Zürich, www.d-one.ai



## Philosophy

Vision: We are building D ONE as a world-class company. Our ambition: to be a talent heaven and a leading voice in data-driven value creation.

Mission: We define success by our client's success. To pursue this goal, we combine our success-critical competencies:

- Intellectual agility
- Understanding client's needs
- Clever and creative team play
- Getting the job done

To deliver outstanding results with high business value. Presented in a comprehensible form, achieved in an easy-to-do-business-with way.

## Company Description

D ONE creates data-driven value. Our consultants design and implement business intelligence and analytics applications and support our clients to realize the value of their data.

Our work, data-driven value creation, requires bright minds. Getting to the bottom of things, thinking out of the box, and using the power of the question are constantly required disciplines. Also, we are convinced that talents enjoy the low noise environment that D ONE offers: the smooth and simple administration, the uncomplicated way of doing business, the absence of politics.

## Contact for application

[d-one.ai/career](http://d-one.ai/career)

## Degrees

	BSc	MSc	PhD
CSE	●	●	●
Mathematics	●	●	●
Physics	●	●	●

## Locations



## Opportunities

- Direct Employment
- Trainee program
- Internship ~12 Month
- Internship ~6 Month
- Master Thesis

# Wir suchen clevere Köpfe. Immer.

## Deine Initiative ist immer eine Chance

Wir sind ständig auf der Suche nach cleveren Köpfen, um unsere Teams zu verstärken – und das nicht nur für die von uns aktuell ausgeschriebenen Stellen. Und weil wir schon heute das Übermorgen im Blick haben, interessieren wir uns auch immer für Potenziale, an die wir noch gar nicht gedacht haben.

Mit mehr als 1000 Mitarbeitenden sind wir eines der grössten, unabhängigen Schweizer Unternehmen im Bereich Softwareentwicklung und -wartung, IT-Systemintegration und Business Consulting. Seit 1968 verfolgen wir vor allem eine Aufgabe: Wir wollen die IT-Welt ein bisschen einfacher machen. Durch komfortable Lösungen für komplexe Aufgaben. Durch Zuverlässigkeit und Engagement. Durch Präzision und Kundenorientierung.

Ein Gespräch lohnt sich. Wir suchen immer clevere Köpfe.

[www.elca.ch](http://www.elca.ch)

  
**ELCA**  
*We make it work.*

## Company Description

ELCA ist mit mehr als 1500 Mitarbeitenden eine der grössten unabhängigen Schweizer Firmen im Bereich IT Consulting, Softwareentwicklung und Systemintegration.

Zu unseren Dienstleistungen gehören die Software Entwicklung, die System Integration und das IT-Business Consulting. Wir zeichnen uns aus durch unseren Mix, in dem wir die Projekt-Teams gezielt mit Seniorität und Talenten kombinieren, was die Förderung und Weiterentwicklung von jungen Berufseinsteigern ermöglicht und vereinfacht.

Die Karrieremöglichkeiten sind vielfältig und richten sich nach Deinen Bedürfnissen und Skills.

## Contact for application

[elca.ch/de/berufsmoeglichkeiten](http://elca.ch/de/berufsmoeglichkeiten)  
piotr.nowalinski@elca.ch

## Degrees

	BSc	MSc	PhD
CSE	●	●	●
Mathematics	●	●	●
Physics	●	●	●

Bei der ELCA setzen wir auf gesunde Werte und in unseren Projekten lassen wir uns von unserem Leitsatz inspirieren: We make it work!

## Philosophy

We make it work!

## Locations



## Opportunities

- Direct Employment
- Trainee program
- Internship ~12 Month
- Internship ~6 Month
- Master Thesis

# DO YOU THRIVE ON OUTSMARTING YOUR COMPETITION?

## GRADUATE TRADER & TRADING INTERN

We are looking for talented individuals with excellent mathematical and analytical skills combined with an interest in global financial markets. Our Traders manage and optimize our daily positions, formulate innovative trading strategies whilst also developing tools.

As a Summer Intern you will learn about our trading strategies, trading system and experience life as a Trader at Flow.

## GRADUATE SOFTWARE DEVELOPER PROGRAM

We prepared the Graduate Software Development program for ambitious graduates who like to be challenged every day. During the program, you will work in sprints and participate in stand-up meetings; at the same time, you will work together with your fellow graduate software engineers, and experience working with different Flow Traders development teams.

## EVENTS

We are also hosting several online events for you to get more familiar with Flow Traders! You can check them out at our events page on our website.

## Reach out to us at:

[careers.europe@flowtraders.com](mailto:careers.europe@flowtraders.com)  
[flowtraders.com/careers](http://flowtraders.com/careers)



Flow Traders is an international leading principal trading firm.

### Company Description

Flow Traders is a principal trading firm founded in 2004. We are a leading global technology-enabled liquidity provider, specialized in Exchange Traded Products (ETPs). Flow Traders is at the intersection of finance, cutting-edge technology and scientific research. We are able to grow our organization further, thereby ensuring that our trading desks in Europe, the Americas and Asia provide liquidity across all major exchanges, globally, 24 hours a day. Financial markets have rapidly shifted from trading in the pit to algorithmic trading, and our business model has made us an entrepreneurial and competitive firm in the FinTech space. We use our principal technology platform to quote bid and ask prices in thousands of ETP listings. We are also active in other asset classes such as bonds, FX, cryptocurrencies and similar financial products. On top of that, we provide liquidity to institutional counterparties off-exchange across all regions! Flow Traders stays ahead of the

competition by focusing on technology and niche competencies in markets where every second counts. This requires access to the best information and the ability to respond instantly. To achieve this, our team of software developers works in partnership with experienced traders to identify and execute tomorrow's strategies, making Flow a daily pioneer in professional trading.

### Philosophy

We nurture our unique 'one team' philosophy by stimulating the sharing of ideas and best practices. We encourage employee rotation both within and between our offices. Oftentimes, you'll find international colleagues visiting from around the globe to collaborate on projects, share knowledge and build rapport between the global teams. No matter where you're based Flow Traders offers fantastic perks and benefits to ensure our employees are performing at the top of their game.

### Contact for application

[flowtraders.com/careers/job-search](http://flowtraders.com/careers/job-search)

### Degrees

	BSc	MSc	PhD
CSE	●	●	●
Mathematics	●	●	●
Physics	●	●	●

### Opportunities

Direct Employment	Trainee program	Internship ~12 Month	Internship ~6 Month	Master Thesis
●	●	●	●	●

### Locations





# CREATE TODAY. PREDICT TOMORROW.

IMAGINE DISCOVERING SOMETHING UNDISCOVERED.

We're Europe's leading quantitative finance research firm. We hire the brightest minds in the world and couple their expertise with machine learning, big data and advanced technologies to predict movements in financial markets.

We work on a very mature prediction problem. And finding the 1% of difference at the cutting edge of developments, is where success happens. We are incentivised to explore the state-of-the-art.

We have exceptional internships and permanent roles for PhD, Post Doc and Masters candidates interested in quantitative research.

## KEEP IN TOUCH



[linkedin.com/company/g-research](https://www.linkedin.com/company/g-research)



[twitter.com/gresearchjobs](https://twitter.com/gresearchjobs)



[facebook.com/gresearchcareers](https://facebook.com/gresearchcareers)

## APPLY TODAY

Visit our website to see all of our live vacancies and to submit an application:

[www.gresearch.co.uk](http://www.gresearch.co.uk)



## Company Description

We are a leading quantitative research and technology firm.

We hire the brightest minds in the world to tackle some of the biggest questions in finance.

We pair this expertise with machine learning, big data, and some of the most advanced technology available to predict movements in financial markets.

## Philosophy

We offer a dynamic, flexible and highly stimulating culture where world-beating ideas are cultivated and rewarded.

We are proud to employ some of the best people in their field and are keen to nurture their talent in a supportive working environment.

## Contact for application

[gresearch.co.uk/join-us/](http://gresearch.co.uk/join-us/)

## Degrees

	BSc	MSc	PhD
CSE	●	●	●
Mathematics	●	●	●
Physics	●	●	●

## Opportunities

●	●	●	●	●
Direct Employment	Trainee program	Internship ~12 Month	Internship ~6 Month	Master Thesis

## Locations



Leben und  
arbeiten in  
Graubünden

Offene Jobs

«We drive innovation  
to improve people's  
lives.»



#### Company Description

Hamilton Medical is a dynamic, internationally successful medical device company headquartered in Bonaduz, Switzerland. At Hamilton Medical, we live for ventilation technology. Technology that helps caregivers improve the lives of their critically ill patients. We believe that innovation is essential to meet the demands of critical care.

To strengthen our multinational team, we are looking for motivated people in all areas of the company: from software developers to medical or healthcare professionals, from engineers to export specialists, from production workers to regulatory affairs specialists, and from project leaders to product managers.

Contact for application  
[jobs.hamilton.ch/en/jobs](https://jobs.hamilton.ch/en/jobs)

#### Degrees

	BSc	MSc	PhD
CSE	●	●	●
Mathematics	●	●	●
Physics	●	●	●

#### Opportunities

- Direct Employment
- Trainee program
- Internship ~12 Month
- Internship ~6 Month
- Master Thesis

#### Philosophy

«We drive innovation to improve people's lives.»

Please see: <https://jobs.hamilton.ch/en/ueber-hamilton/vision-and-values>

#### Locations





# START DISCOVERING

Careers in **Trading and Technology**

**WE ARE HIRING**

## ABOUT IMC

IMC is a trading firm with technology at its heart. Since 1989, we've embraced the power of technology to rapidly advance our trading models. Pioneers in the industry, technology is now the lifeblood of how we operate. Whether it's the markets, data, software or hardware, we're constantly pushing ourselves and our technology further. We're constantly challenging, adapting and redesigning to create world-class solutions that can outsmart the best Traders and Developers in the world.

Start discovering a dynamic new world. Where you'll learn just how far you can go and how fast you can get there. Get ready to be challenged beyond your expectations. You'll have the highest levels of freedom and responsibility. A chance to put your intellect to the test while indulging your love for patterns and data, mathematical riddles, and working in the space between the abstract and reality. It's an exciting, fast, highly complex and fun place to kickstart your career and watch it take off like you never thought possible.

LifewithIMC  
[CAREERS.IMC.COM](http://CAREERS.IMC.COM)



Discover IMC for a 360 tour and interactive content

## Company Description

IMC is a leading global market maker, using algorithmic trading and advanced technology to buy and sell securities on multiple trading venues worldwide. We provide liquidity to the financial markets, driving efficiencies for buyers and sellers.

We operate globally from offices in Europe, the US and Asia Pacific. Our employees work closely together in multidisciplinary teams, making our success possible.

**Technology** - At IMC, technology is not a department, it is at the heart of everything we do. Our technologists push the limits of possibility, and then look beyond. In our fast-paced environment, short feedback loops mean projects

## Contact for application

[careers.imc.com/eu/en](http://careers.imc.com/eu/en)

## Degrees

	BSc	MSc	PhD
CSE	●	●	●
Mathematics	●	●	●
Physics	●	●	●

## Opportunities

- Direct Employment
- Trainee program
- Internship ~12 Month
- Internship ~6 Month
- Master Thesis

worked on in the morning can enter production the next day.

**Trading** – Although our traders come from many backgrounds they all have one thing in common: they are at their best solving complex problems. Their insight into global events, market shifts and pricing ensure we are trading in the right place, at the right time.

## Philosophy

At IMC we believe in giving you the freedom to succeed. From day one you'll have the chance to make an impact in a business where ideas matter more than job titles.

## Locations





Julius Bär  
YOUR WEALTH MANAGER

## Company Description

Julius Baer is the leading Swiss wealth management group. We focus on servicing and advising sophisticated private clients from around the world, taking into account what truly matters to them – in their business and personal life, today and for future generations. Headquartered in Zurich, we are present in more than 50 locations worldwide, including Dubai, Frankfurt, Geneva, Hong Kong, London, Luxembourg, Mexico City, Milan, Monaco, Montevideo, Moscow, Mumbai, São Paulo, Singapore and Tokyo.

## Philosophy

At Julius Baer, you will enjoy the benefits of a global company with the support and collegiality of a much smaller one. We are growing quickly, but we remain dedicated to maintaining our accessible structure with flat hierarchies, and approachable and supportive leaders. With offices around the world, we offer an international and stimulating environment and the opportunity to work with a diverse team of highly motivated colleagues, bringing the best of the bank to clients. We care for our employees as much as we care about our clients. We enable our employees and offer them as much leeway, autonomy, and flexibility as possible to create lasting success. We value entrepreneurial thinking, attracting creative people with drive to join our team. Our core values of Care, Passion, and Excellence define the tone of how we interact with each other and our partners.

## Contact for application

[juliusbaer.com/en/careers](http://juliusbaer.com/en/careers)

[juliusbaer.com/en/careers/graduates](http://juliusbaer.com/en/careers/graduates)

## Degrees

	BSc	MSc	PhD
CSE	●	●	●
Mathematics	●	●	●
Physics	●	●	●

## Opportunities

- Direct Employment
- Trainee program
- Internship ~12 Month
- Internship ~6 Month
- Master Thesis

## Locations



# Digital-tech careers

**Best team. Best work. At your best.**

McKinsey blends analytics, design, and engineering thinking with our powerful global network.

[www.mckinsey.ch](http://www.mckinsey.ch)



## Company Description

Meet McKinsey and QuantumBlack in Switzerland! At McKinsey, we blend analytics, design, and engineering thinking with our powerful global network. Further, QuantumBlack is McKinsey's ML and AI center of excellence. As a global management consulting firm, we help our clients make significant and lasting improvements to their performance and realize their most important goals. We meet our clients anywhere they are in their journey to become more data-driven, providing everything from specific expertise on discrete issues to holistic transformations and implementations. Further, our two offices in Switzerland are located in Zurich and Geneva.

## Philosophy

When working as a consultant at McKinsey or QuantumBlack, you'll collaborate with teams to apply technical knowledge, analytics and engineering thinking in our client work. As a problem-solving and teaming culture, everyone is a full-fledged member, and every voice is heard from day one. You are provided with introductory and advanced trainings as well as formal and informal mentors to help you learn and grow. Only here, can you build a product from scratch one day, and manage a large-scale tech team abroad the next.

## Contact for application

[mckinsey.com/ch/careers](http://mckinsey.com/ch/careers)

## Degrees

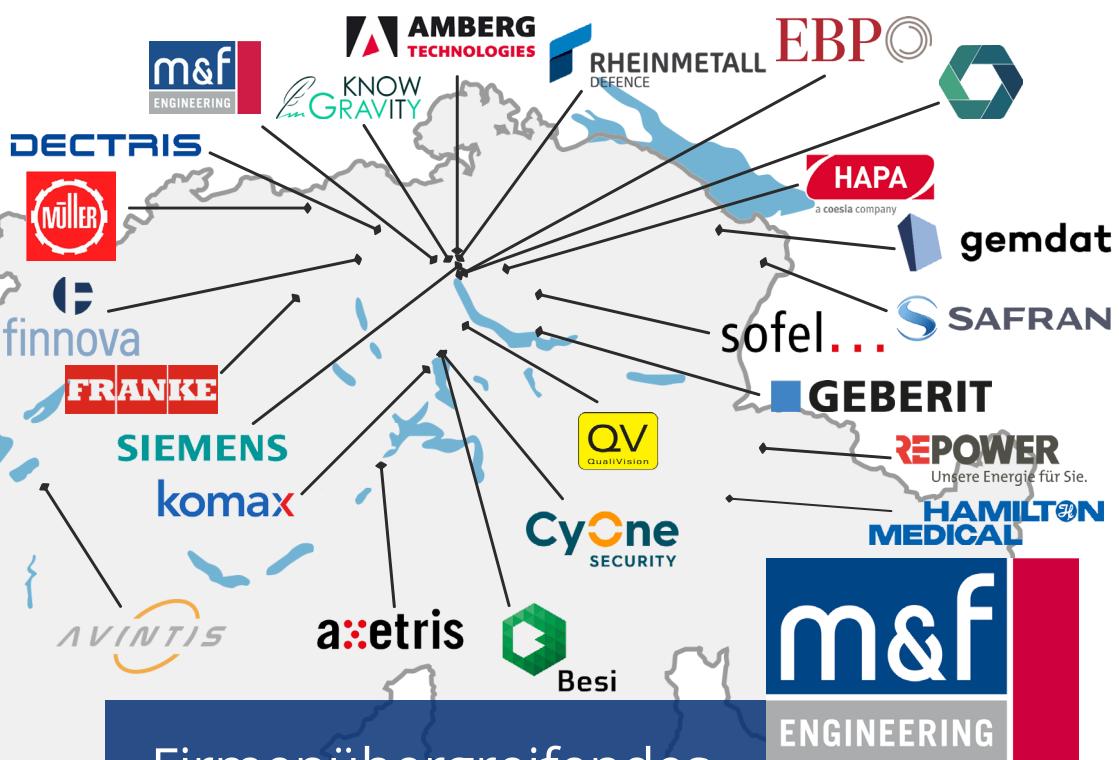
	BSc	MSc	PhD
CSE	●	●	●
Mathematics	●	●	●
Physics	●	●	●

## Opportunities

- Direct Employment
- Trainee program
- Internship ~12 Month
- Internship ~6 Month
- Master Thesis

## Locations





# Firmenübergreifendes Software Trainee-Programm für StudienabgängerInnen

## Software-Engineering von A-Z

4-6 Technologiefirmen in nur drei Jahren  
Abwechslungsreiche & fordernde Projekte

## Know-how Aufbau

Persönliches Mentoring  
Monatliche Workshops

## Sicher in die Zukunft

Aufbau eines umfassenden Netzwerks  
Zugang zu Top-Firmen mit Aussicht zur Festanstellung

[www.m-f.ch/tp](http://www.m-f.ch/tp)



## Company Description

M&F Engineering ist der Industrie 4.0 Spezialist für kompetente Software-Entwicklung und massgeschneiderte Prüfsysteme. Zudem bieten wir ein schweizweit einzigartiges Software Trainee-Programm, welches innovative Technologiefirmen und junge Software-Ingenieuren zusammen bringt.

Willst Du erste Erfahrungen in der Software-Entwicklung sammeln, ohne Dich gleich festzulegen? Dann lerne bei uns in nur 3 Jahren 4-6 Technologieunternehmen als Junior Software Engineer kennen! Du kannst selbst mitentscheiden, bei welchen Firmen und mit welchen Technologien du arbeiten möchtest. Parallel dazu erhältet ihr regelmässiges Mentoring und monatlichen Workshops. Dies ermöglicht

## Contact for application

m-f.ch/tp  
annalaura.john@m-f.ch

## Degrees

	BSc	MSc	PhD
CSE	●	●	●
Mathematics	●	●	●
Physics	●	●	●

dir einen idealen Start ins Berufsleben und macht dich zur gesuchten Fachkraft mit breitem Know-how.

## Philosophy

Bei M&F geniesst du vielfältige Weiterbildungs- und Weiterentwicklungs-möglichkeiten. Zudem kannst du bei uns in einer inhabergeführten Firma mit super Klima, flachen Hierarchien und Mitspracherecht arbeiten. Für gute Stimmung bei uns sorgen unse-re spannenden Projekte, der wertvolle Austausch unter den Mitarbeitenden, unsere täglichen Töggeli-Challenges und coole Firmenevents.

## Locations



## Opportunities

- Direct Employment
- Trainee program
- Internship ~12 Month
- Internship ~6 Month
- Master Thesis

# die Mobiliar

## «Was mich bei der Mobiliar überrascht? Die hohe Verantwortung und die Eigeninitiative bei meinen Projekten in der Datenanalyse.»

**Eva Morstein**  
Data Scientistin, Bern



Erfahren Sie mehr über die inspirierende Arbeitswelt bei der Mobiliar – [mobilier.ch/karriere](http://mobilier.ch/karriere)

die Mobiliar

### Company Description

Die Mobiliar ist die persönlichste Versicherung der Schweiz: Wir sind dort, wo unsere Kunden sind – und da, wenn es darauf ankommt. Als genossenschaftlich verankertes Unternehmen engagieren wir uns für unsere Kunden, die Gesellschaft und die Schweiz. So sind wir ein sicherer Wert im Schweizer Alltag und gestalten die Zukunft aktiv mit. Seit 1826, heute und morgen – was immer kommt. Der Schlüssel zum Erfolg? Unsere engagierten Mitarbeitenden. Jeder Mitarbeitende leistet einen wichtigen Beitrag zum Unternehmenserfolg. Wer weiss, was er will und kann – der ist bei uns richtig. Bei der Mobiliar finden Sie anspruchsvolle Arbeitsplätze, interessante Karriereperspektiven und eine umsetzungsorientierte Firmenkultur, in der wir uns gegenseitig weiterbringen.

### Contact for application

[mobilier.ch/jobs](http://mobilier.ch/jobs)  
[berufseinstieg@mobilier.ch](mailto:berufseinstieg@mobilier.ch)

### Degrees

	BSc	MSc	PhD
CSE	●	●	●
Mathematics	●	●	●
Physics	●	●	●

### Philosophy

Wir halten, was wir versprechen. Wir sind die persönlichste Versicherung der Schweiz - wir handeln menschlich, nah und verantwortungsvoll. Unsere Kunden leben ihr Leben vertrauensvoll. Wenn etwas passiert, sind wir da und helfen rasch und unkompliziert. Wir alle sind Botschafter der Mobiliar und lösen dieses Versprechen ein. Jeden Tag. Bei allem, was wir tun.

### Locations



### Opportunities

- Direct Employment
- Trainee program
- Internship ~12 Month
- Internship ~6 Month
- Master Thesis

### Company Description

Als Premium-Anbieter von Banking Technology Experts unterstützen wir unsere Kunden in der Finanzindustrie fachlich und technisch in allen Gebieten der digitalen Transformation.

Consulting in den Bereichen Trading & Risk, Core Banking und Digital Banking ist unsere Leidenschaft. Wir verstärken die Teams unserer Kunden bei der Erweiterung und Erneuerung von Handels- und Core Banking-Systemen, der Implementierung digitaler Vertriebskanäle, der Integration von internen und externen Lösungen in die bestehende Systemwelt, der Umstellung auf DevOps und dem Data-Engineering. Im Bereich Trading & Risk unterstützen wir unsere Kunden in einem breiten Aufgabenspektrum von der Beratung und Evaluation neuer Systeme bis hin zu technischen Upgradeprojekten, von regulatorischen Projekten bis hin zu quantitativen Analysen im Markt- und Credit-Risk Umfeld.

Bei der Oepfelbaum IT Management AG arbeiten ausgewiesene Cracks mit einem bunten Fächer an Spezialgebieten, um die Wünsche unserer Kunden zu verstehen und direkt vor Ort zielgerichtet umzusetzen.

### Contact for application

Géraldine Rubin, [jobs@oepfelbaum.com](mailto:jobs@oepfelbaum.com)  
[www.oepfelbaum.com](http://www.oepfelbaum.com)

### Degrees

	BSc	MSc	PhD
CSE	●	●	●
Mathematics	●	●	●
Physics	●	●	●

### Opportunities

- Direct Employment
- Trainee program
- Internship ~12 Month
- Internship ~6 Month
- Master Thesis

### Philosophy

Ob als Analyst oder Engineer - bei uns triffst du auf aussergewöhnliche Persönlichkeiten, die gemeinsam in einer Organisation mit flachen Hierarchien und überdurchschnittlichen Anstellungsbedingungen Spass an der Arbeit haben.

Wertschätzung wird bei uns grossgeschrieben - du geniesst ein Mitspracherecht, was dein Mandat angeht und wir investieren in deine individuelle Weiterentwicklung.

Überstunden werden bei uns kompensiert - denn eine gesunde Work-Life-Balance ist essenziell und fördert qualitativ hochstehende Resultate. Du lernst unterschiedliche Firmen und Projekte im internationalen Finanzumfeld in der Deutschschweiz kennen; dies sorgt für Abwechslung, spannende Aufgaben und ein rasches Füllen deines persönlichen Rucksacks.

Du hast Freude an mathematisch angehauchten Knobelaufgaben rund um IT und Finance? Du bringst hohe analytische Fähigkeiten, Pragmatismus, Zielstrebigkeit und nicht zuletzt auch eine gesunde Portion Humor mit? Dann freuen wir uns darauf, dich kennenzulernen.

### Locations





## EVERY DAY IS YOUR CHANCE TO SOLVE THE SEEMINGLY IMPOSSIBLE.

If you thrive in an environment where you can constantly push your thinking further and faster, Optiver is the place to kickstart your career. We're a global market maker, which means we provide buy and sell prices for financial products in exchanges all over the world. The way in which we do that is where things get really interesting. It lies at the cutting-edge of technological and analytical possibility. Visit one of our company days and discover how your skills can take you on an incredible journey that realises your full potential.

[optiver.com/working-at-optiver](http://optiver.com/working-at-optiver)



### Company Description

From our founding in 1986 with a single trader on the floor of Amsterdam's European Options Exchange, Optiver has grown into a global market making powerhouse. We now boast more than 1,100 immensely talented employees working out of offices in Amsterdam, London, Chicago, Shanghai and Sydney.

Liquidity is the lifeblood of financial markets. Our job is to keep it flowing. We do so with our own capital, at our own risk, by constantly providing competitive bid-ask prices across a range of financial products: derivatives, cash equities, exchange-traded funds, bonds and foreign currencies. We build and maintain low latency trading systems that respond to market events in nanoseconds. As a leading technology-based market maker and liquidity provider, we are committed to improving the market by providing efficiencies for end investors.

### Contact for application

[optiver.com/working-at-optiver](http://optiver.com/working-at-optiver)

### Degrees

	BSc	MSc	PhD
CSE	●	●	●
Mathematics	●	●	●
Physics	●	●	●

### Opportunities

- Direct Employment
- Trainee program
- Internship ~12 Month
- Internship ~6 Month
- Master Thesis

### Philosophy

Improving the market is a responsibility we don't take lightly. It's the driving force behind our business.

This means that even in times of extreme volatility, we stay the course. Resolute in our belief that the market should always be liquid for economic ecosystems to thrive.

As one of the oldest market making institutions, we are a trusted partner of exchanges across the globe. Our contribution ensures markets remain stable, transparent and competitive.

Our people continually push the boundaries of technological and analytical possibility. This special group of brilliant minds work hand in hand to take the industry one step closer to its optimal self.

### Locations





## The Golden Link - Plasmonic Modulators

### Company Description

Polariton Technologies is a young start-up coming out of ETHZ developing cutting-edge devices for optical communications. We are about to launch our first product based on a novel electro-optic modulator. It enables our customer to send data with unprecedented speed and quality. Join our team to develop the next generations of our products.

### Your benefits:

- Grow with a dedicated and dynamic team and broaden your horizon in an interdisciplinary environment
- Contribute to innovative technology development and create new products
- Strengthen your technology and communication skills

### Contact for application

Chanel Docekal, [join@polariton.ch](mailto:join@polariton.ch)

### Degrees

	BSc	MSc	PhD
CSE	●	●	●
Mathematics	●	●	●
Physics	●	●	●

### Opportunities

- Direct Employment
- Trainee program
- Internship ~12 Month
- Internship ~6 Month
- Master Thesis

### Philosophy

- We communicate clearly, openly and honestly. Decisions are transparent and comprehensible and every voice is heard.
- We appreciate the work of others and express sincere gratitude, creating and maintaining a happy work environment.
- We are curious and wish to learn new skills. We are continuously striving to grow as an individual and as a team.

### Locations





pwc

And serve our clients better. While our purpose goes deeper.

We will transform the future of our firm.

And if we have trust – in each other and in our evolution – we won't fail to ask the right questions.

You can be sure: We're ready to go ahead with you.

Trust to go aheader with us.

Insurance

Consulting

Data

Finance

IT

Technology

Research



# "I go aheader to give meaning to data."

**Trust to go aheader.** At PwC we don't just go ahead with things that are important to us, we go one step further: we go aheader. So does Emanuele in Digital Intelligence. Thanks to him, we empower our clients to transform into data-driven organisations. Together we unlock the power of data.

Create your own story in our Digital Intelligence team: [www.pwc.ch/careers](http://www.pwc.ch/careers)



## Philosophy

Trust to go aheader

At PwC we don't just go ahead with things that are important to us, we go one step further: we go aheader.

Some things never change, they say. We believe the opposite.

Change does not start with perfection. But with accepting challenges.

Together we will adapt quicker, develop further and grow closer.

## Contact for application

[www.pwc.ch/careers](http://www.pwc.ch/careers)

## Degrees

	BSc	MSc	PhD
CSE	●	●	●
Mathematics	●	●	●
Physics	●	●	●

## Locations



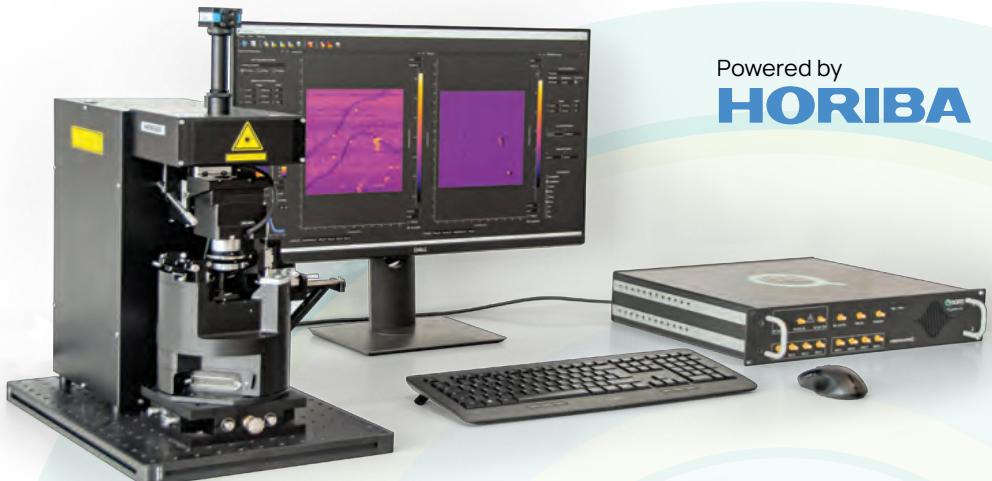
## Opportunities

●	●	●	●	●
Direct Employment	Trainee program	Internship ~12 Month	Internship ~6 Month	Master Thesis



# Qnami ProteusQ™

Capture surface magnetic fields at the atomic scale



Unlock your research potential with  
the first scanning NV magnetometer

Qnami AG

Hofackerstr. 40B • CH-4132 Muttenz • Switzerland  
+41 (0) 61 511 89 60 • contact@qnami.ch • www.qnami.ch



## Company Description

QNAMI is a start-up based in Basel, Switzerland. Our company applies fundamentally new physics to sensing applications. Specifically, we are specialized in the development of diamond-based quantum sensors and all the instrumentation/software that is required for their operation. By precisely controlling and measuring the state of a single electron trapped in the diamond lattice, we are able to measure electric and magnetic fields with unique sensitivity and spatial resolution. We are proud to have our first product, the ProteusQ - a turn-key solution to perform magnetic field imaging at the nanoscale.

## Philosophy

Qnami is a high-tech company with the focus of commercializing disruptive Quantum Technology-based sensors. Yet, we value technology and core values such as respect, transparency and personal motivation equally. On top of this, our customers are the number one priority and should be always treated as such. Qnami's team is multi-cultural, fast moving and highly motivating, where every single member brings a valuable contribution to our trajectory.

Contact for application  
[qnami.ch/about-us/jobs/](http://qnami.ch/about-us/jobs/)

## Degrees

	BSc	MSc	PhD
CSE	●	●	●
Mathematics	●	●	●
Physics	●	●	●

## Locations



## Opportunities

- Direct Employment
- Trainee program
- Internship ~12 Month
- Internship ~6 Month
- Master Thesis

# QuantCo is a Machine Learning Company.

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**JOIN US!**

MEET US FOR DINNER ON MARCH 30, 2022

PLEASE APPLY BY SENDING YOUR CV TO  
**LENA.AHLERS@QUANTCO.COM** BEFORE  
**MARCH 27, EOD.**

WE LOOK FORWARD TO MEETING YOU!

[WWW.QUANTCO.COM](http://WWW.QUANTCO.COM)

## Company Description

QuantCo was founded by four Harvard and Stanford PhDs. Our team of around one hundred economists, data scientists, software engineers, and machine learning experts creates tangible economic impact by pairing state-of-the-art data expertise with business acumen. QuantCo has offices in Boston, San Francisco, Berlin, Cologne, Karlsruhe, London, Munich, and Zurich.

## Philosophy

At QuantCo, we leverage expertise in data science, engineering, and economics to help organizations turn data into decisions. QuantCo offers a fast-paced environment that values ownership and personal growth. Join us!

## Meet QuantCo

On Wednesday, March 30, QuantCo will invite a select group of students to an exclusive dinner.

Please apply by sending your CV to [lena.ahlers@quantco.com](mailto:lena.ahlers@quantco.com) by Sunday, March 27.

We will send out invites and further information on Monday, March 28.

Contact for application  
[jobs.lever.co/quantco](https://jobs.lever.co/quantco)

## Degrees

	BSc	MSc	PhD
CSE	●	●	●
Mathematics	●	●	●
Physics	●	●	●

## Locations



## Opportunities

- Direct Employment
- Trainee program
- Internship ~12 Month
- Internship ~6 Month
- Master Thesis

1992 in der Ukraine geboren.  
 ↓  
 2009-13 Studium in Kiev. Bachelor of Science in Telekommunikation.  
 ↓  
 2012-15 System-Analyst Telekommunikation.  
 ↓  
 2013 Als Expat nach Bern gekommen. In der Freizeit viel ins Deutschlernen investiert.  
 ↓  
 2015-17 Master of Science in Wirtschaftsinformatik FH gemacht, Bündnis perfektioniert. Mama!  
 Du hast viel in dich investiert. Mach was Grosses.

Beweg die Schweiz mit uns in einem von über 150 Berufen.

[sbb.ch/jobs](http://sbb.ch/jobs)  
 #bewegdieschweiz

Privat mit kleinen Zügen engagiert:  
 Im Berner Modell-Eisenbahn-Club.  
 ↓  
 Seit 2017 IT-Business-Analyst. Für grosse Züge zuständig: bei Rail Control System der SBB.




## Company Description

Die SBB bringt täglich über 0,84 Mio. Reisende und 185 000 Tonnen Güter an ihr Ziel. Wir sind aber mehr als nur die Eisenbahn: Rund 33 000 Mitarbeiterinnen und Mitarbeiter machen uns zum Rückgrat des Öffentlichen Verkehrs und arbeiten mit uns an unserer Vision für die Mobilität der Zukunft.

## Philosophy

Der umfassende Dienstleistungsauftrag der SBB ermöglicht es uns, eine vielseitige Auswahl an spannenden Berufen in allen Unternehmensbereichen anzubieten. Von Fahrplanentwicklung, Intelligenter Streckeninspektion und Flottentechnik über «Building Information Modelling» (BIM), Brems- oder Zug sicherungssysteme bis hin zu Extended

## Contact for application

[sbb.ch/jobs](http://sbb.ch/jobs)  
[bewegdieschweiz@sbb.ch](mailto:bewegdieschweiz@sbb.ch)

## Degrees

	BSc	MSc	PhD
CSE	●	●	●
Mathematics	●	●	●
Physics	●	●	●

## Opportunities

- Direct Employment
- Trainee program
- Internship ~12 Month
- Internship ~6 Month
- Master Thesis

## Locations





Sensirion is fast, agile and unconventional. We cross boundaries, grant a lot of freedom and show genuine appreciation. As a market leader with around 800 employees, Sensirion offers stability and security while still acting with the startup spirit of its earliest days. Expand your horizons and increase your market value – throughout Switzerland and around the globe. Make a difference and create sustainable change for a smarter future.

Become part of the story – where market leadership meets startup spirit

[www.sensirion.com/career](http://www.sensirion.com/career)

SENSIRION

### Company Description

Sensirion is an internationally active high-tech company with headquarters in Switzerland and subsidiaries in Asia, North America and Europe. For two decades, the ETH spin-off has been developing and producing world-leading sensors and sensor solutions for a wide range of applications in the medical technology, automotive and consumer goods sectors. As a market leader, Sensirion offers stability and security - and lives the start-up spirit of the early days. Today, around 800 employees do their utmost with expertise and passion to always be one step ahead. Their common goal is to bring about lasting change with sensor solutions that cannot be copied. For better quality of life, health, efficiency and safety - for a smarter future around the globe.

### Contact for application

[sensirion.com/career/work-at-sensirion/](http://sensirion.com/career/work-at-sensirion/)

### Degrees

	BSc	MSc	PhD
CSE	●	●	●
Mathematics	●	●	●
Physics	●	●	●

Write a success story - in the largest start-up in Switzerland.

### Philosophy

We are and will remain focused on growth. Sensirion nurtures its corporate culture using flat hierarchies, quick decision-making processes and numerous employee-organized social events. The Sensirion spirit is lived both inside and outside of the office and continues driving our success story forward every day.

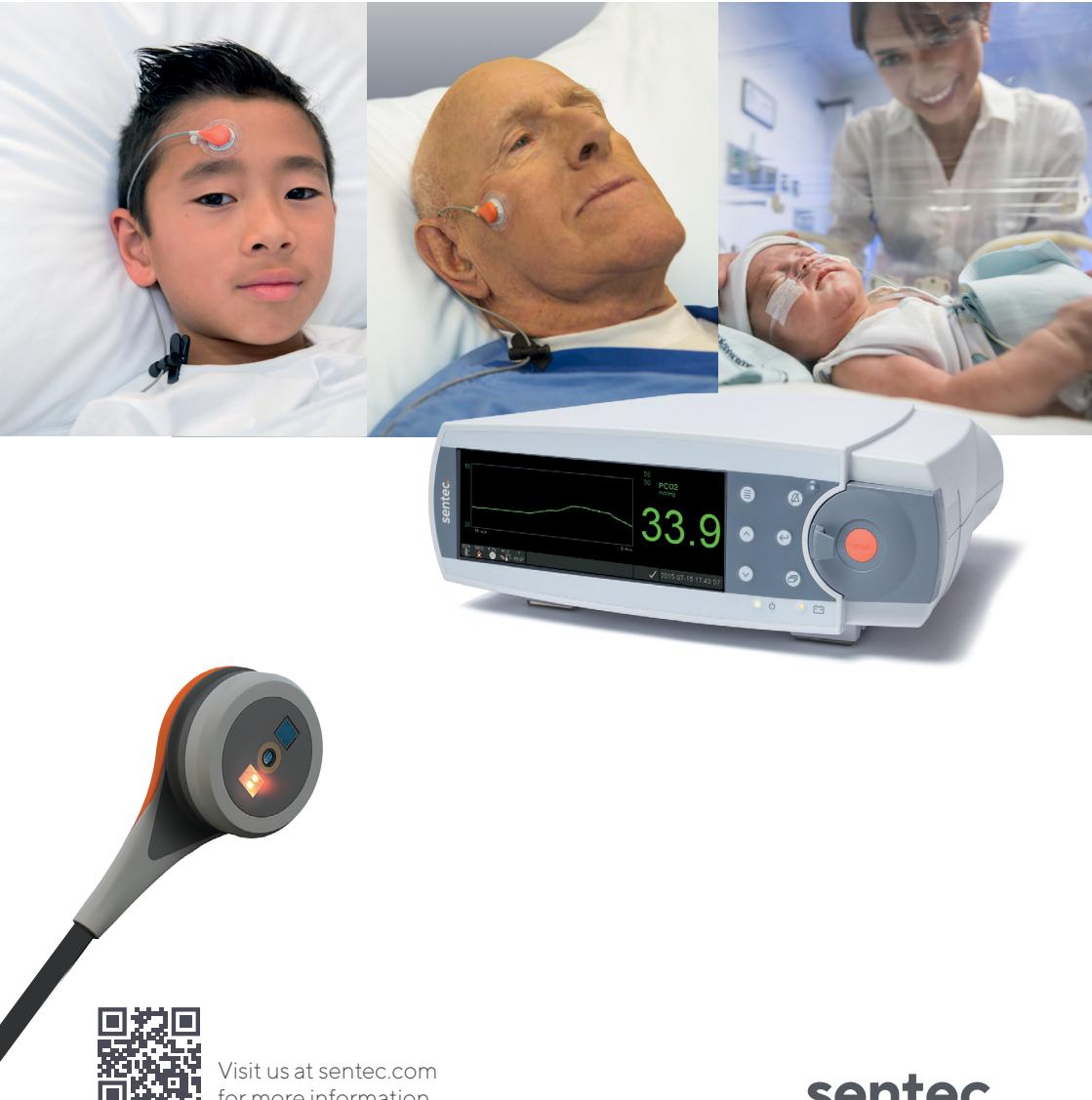
### Locations



### Opportunities

- Direct Employment
- Trainee program
- Internship ~12 Month
- Internship ~6 Month
- Master Thesis

# Ready for a new challenge? Be part of the Sentec success story



Visit us at [sentec.com](http://sentec.com)  
for more information

**sentec.**

## Company Description

Founded in 1999, Sentec AG is a market leader in Transcutaneous & EIT Monitoring which develops, manufactures and markets patient-centric, cost-effective technologies and products that provide clinicians with greater insight to quickly identify trends, rapidly and more accurately assess patient respiratory status, and make more well-informed, timely care decisions. Sentec is committed to working with clinicians and researchers to further improve our solutions and patient care.

## Philosophy

Sentec is committed every day to patient care and safety and enhancing customer satisfaction through continual improvement of our products, services, and quality management system.

Contact for application  
[sentec.com/career](http://sentec.com/career)

## Degrees

	BSc	MSc	PhD
CSE	●	●	●
Mathematics	●	●	●
Physics	●	●	●

## Opportunities

- Direct Employment
- Trainee program
- Internship ~12 Month
- Internship ~6 Month
- Master Thesis

## Locations





## QUANTITATIVE RESEARCH

### CAREERS DESIGNED FOR ACCOMPLISHED PHD GRADUATES

Earning a doctorate degree requires a relentless pursuit of understanding and extraordinary attention to detail. The same is true for our PhD roles at SIG. For those who would like to apply their academic rigor and transform their research into concrete results, a career at SIG is a natural next step after graduation. In terms of what that career could specifically look like, we'll meet with you one-on-one to identify which of our programmes works best for you.

SIG offers a comprehensive internship programme specifically tailored for PhD students. As a quant intern, you will be assigned technical projects with real applications in proprietary trading. You will collaborate with full-time quants and receive mentorship on a daily basis. The quant internship programme includes lectures on mathematical finance and roundtable sessions to learn more about the industry.

### FULL-TIME + SUMMER INTERNSHIP OPPORTUNITIES

**QUANTITATIVE RESEARCHERS** are dedicated to the data-driven innovation and improvement of our trading models at SIG. As a Quantitative Researcher, you will apply your problem solving skills and mathematical creativity to create solutions in today's competitive and constantly changing financial markets. You will be highly involved in the day-to-day discussions that shape our trading activities and transform quantitative methods into trading opportunities.

### Company Description

SIG is a global quantitative trading firm founded with an entrepreneurial mindset and a rigorous analytical approach to decision making.

We commit our own capital to trade financial products around the world. Building virtually all of our own trading technology from scratch, we are leaders and innovators in high performance, low latency trading. Our traders, quants, developers, and systems engineers work side-by-side to develop and implement our trading strategies. Each individual brings their unique expertise every day to help us make optimal decisions in the global financial markets.

SIG's Internship and Graduate Programmes can be the start of a rewarding and challenging career, we have opportunities across Trading Operations, Quantitative Trading, Technology and Research.

### Contact for application

### Degrees

	BSc	MSc	PhD
CSE	●	●	●
Mathematics	●	●	●
Physics	●	●	●

### Locations



### Opportunities



# Driving Quantum Advantage.

## Quantum Research Center

Quantum Advantage. It's the advantage that comes with harnessing the quantum universe, and applying that knowledge to computing, sensing, communications and more. These discoveries promise to change the world for the better.

At the Quantum Research Center at TII, we are imagining, designing and building the quantum technology that will be a key driver of tomorrow's knowledge society. Join us on the journey.

Discover more about our ground-breaking research at [quantum.tii.ae](http://quantum.tii.ae)

### Philosophy

At TII, we help society overcome its biggest hurdles through a rigorous approach to scientific discovery and inquiry, using state-of-the-art facilities and collaboration with leading international institutions.

Today, we have built a research environment focused on solutions and driven by proprietary and partnership research.

Our purpose: We exist to help create a better world. We develop the most advanced, disruptive technological innovations designed to solve society's greatest challenges.

Our objectives: We will attract the best scientific talent by offering world-class facilities and resources. We will partner with the best academic, scientific partners by offering access to knowledge and research collected from a diverse, distinguished talent base. We will service the best clients by offering proprietary knowledge and data, a clear path from research to innovation, and a shared commitment to advancing the long-term public good.

### Company Description

The Technology Innovation Institute (TII) aims to become a leading global research Center dedicated to pushing the frontiers of knowledge. Our teams of scientists, researchers and engineers work in an open, flexible and agile environment to deliver discovery science and transformative technologies. Our work means we will not only prepare for the future; we will create it. Working together, we are committed to inspiring innovation for a better tomorrow.

Our rigorous discovery and inquiry-based approach helps to forge new and disruptive breakthroughs in quantum computing, autonomous robotics, cryptography, advanced materials, digital security, directed energy, and secure systems

We are part of Abu Dhabi Government's Advanced Technology Research Council, which oversees technology research in the emirate. As a disruptor in science, we are setting new standards and serve as a catalyst for change.

Faced with a future of limitless possibilities and supported by strategically funded investments, we are encouraging a culture of discovery. Our work reinforces Abu Dhabi and the UAE's status as an R&D hub and a global leader in breakthrough technologies.

### Degrees

	BSc	MSc	PhD
CSE	●	●	●
Mathematics	●	●	●
Physics	●	●	●

### Opportunities

Direct Employment	Trainee program	Internship ~12 Month	Internship ~6 Month	Master Thesis
●	●	●	●	●

### Locations



# Vontobel

**Own your  
success—  
Start your  
career  
with us**



#### Vontobel Graduate Trainee Program

Join us. We are a globally operating financial expert with Swiss roots.

Apply by  
May 1, 2022

[vontobel.com/gtp](http://vontobel.com/gtp)

# Vontobel

#### Company Description

As a globally operating investment player with Swiss roots, we specialize in wealth management, active asset management and investment solutions. With our own Blockchain investment division and top-notch B2B and B2C mobile platforms, you can be sure to join a tech-oriented company.

We empower our colleagues to take ownership of their work and bring opportunities to life. Because we are convinced, that successful investing starts with assuming personal responsibility.

We at Vontobel strive for sustainable and innovative solutions and becoming the tech investment house on the market, combining it with over 90 years of investment experience. Vontobel is the

third-largest provider of sustainable investments in Switzerland and builds on a long tradition when it comes to entrepreneurial responsibility.

#### Philosophy

Vontobel is big enough to matter in the market, but still focused enough to care for each of our ca. 2000 employees. At Vontobel, we cultivate an ownership mindset: We give our people room to maneuver and empower them in every position to take personal responsibility. Possessing this mindset means taking ownership of your business and achieving your full potential as a specialist and as a human being.

Contact for application  
[gtpinfo@vontobel.com](mailto:gtpinfo@vontobel.com)

#### Degrees

	BSc	MSc	PhD
CSE	●	●	●
Mathematics	●	●	●
Physics	●	●	●

#### Opportunities

- Direct Employment
- Trainee program
- Internship ~12 Month
- Internship ~6 Month
- Master Thesis

#### Locations





## Our Team

From left to right:

Han-Miru Kim, Jakob Below, Thomas Thurnher, Kolja Frahm, Lara Bohnenblust, Michael Eichenberger, Claire Dick, Ramon Braunwarth, Max Reinhardt

Not in the photo: Leonard Knirsch, Roman Svoboda

## About Us

[MindPhair] is a commission of VMP.

VMP is the student association for physics, maths and computational science and engineering students at ETH Zurich.

VMP is representing over 2000 students and is part of the student association VSETH.

[vmp.ethz.ch](http://vmp.ethz.ch)

Verein der Mathematik-, Physik- und Rechnergestützte Wissenschaften-Studierenden an der ETH Zürich

CAB E33  
Universitätsstrasse 6  
CH-8092 Zürich

+41 44 545 87 57  
[contact@mindphair.ch](mailto:contact@mindphair.ch)

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ETH Main Entrance

ETH Info

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Polyterrasse

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22	Qnami
23	Sensirion
24	Polariton
25	TII
26	SBB CFF FFS
27	Axpo



[MindPhair]

For more details, scan me!  
...or see inside

## Talks & Events

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13:15	CareerCenter
14:15	Optiver
15:15	TII
16:15	M&F Engineering
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