

## EDUCATION

From Jan 2022 | **PhD within the HumanE-AI-Network, ETH ZURICH, Switzerland**  
Research topic : Artificial Intelligence in participatory democratic systems.  
participatory AI | NLP | abstractive summarization | value-sensitive design

Sep 2018 - Sep 2020 | **MSc in Autonomous Systems, AALTO UNIVERSITY & UNIVERSITY OF TRENTO, Finland & Italy**  
Double degree program of the European Institute of Technology (EIT). Minor in Innovation and Entrepreneurship. Graduated *cum laude* from both universities and on a scholarship for academic excellence. GPA : 4.96/5.0 (Aalto, 5.0 is best), 110/110 (Trento)  
Thesis : OPC UA within the CERN Control and Monitoring System  
AI/ML | computer vision | automated planning and control | robotics | innovation & entrepreneurship

Mar - Jul 2018 | **Individual courses in Computer Science, JOHANNES KEPLER UNIVERSITY LINZ, Austria**  
Preparation for a subsequent master's. GPA : 1.0/5.0 (where 1.0 is best)  
formal models | embedded & distributed systems | HCI | logic | statistics | data & knowledge modeling

Oct 2012 - Sep 2015 | **BSc in Media Technology and Design, UNIVERSITY OF APPLIED SCIENCES UPPER AUSTRIA, Austria**  
Erasmus semester at the IT University of Copenhagen. GPA : 1.6/5.0 (where 1.0 is best)  
Thesis : Gamification and Web Forms  
AR/VR | interaction design | computer graphics | web development | gamification

## WORK EXPERIENCE

Aug - Dec 2021 | **Researcher, AUSTRIAN INSTITUTE OF TECHNOLOGY (AIT), Austria**  
Lead development of a user-facing consumer protection application for AI-based consumer protection, using machine learning ensemble methods for classification, and crowd-sourcing data labelling through a gamified web app.  
human-centered AI | active learning | multi-task learning | gamification | Python | PyTorch | Tensorflow | Docker

Feb 2020 - Jan 2021 | **Technical Student, EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH (CERN), Switzerland**  
Integrated OPC UA data acquisition capabilities into the CERN Control and Monitoring framework (C2MON) with a focus on Spring Boot integration, metrics collection and visualization.  
Java | IoT | OPC UA | Spring framework | Docker | Prometheus | Grafana

Dec 2015 - Dec 2016 | **Web and software engineer, FABASOFT AG, Austria**  
Development of software for test automation and the browser client of a cloud service as part of a Scrum team. Instructor in the Fabasoft academy.  
Java | TypeScript | C++ | test automation | browser plugin | usability | Eclipse | front-end | Scrum | teaching

Jul 2015 - Aug 2018 | **Adult Education Instructor, VOLKSHOCHSCHULE PERG, Austria**  
Conducted courses on web design, content management systems, and the European Computer Driving License (ECDL)  
teaching | web design | web technologies | usability | ECDL | MS Office

Mar - Aug 2015 | **Intern in web and software development, ÖSTERREICHISCHE NATIONALBANK, Austria**  
Development of a web application for register processing and an extensive test framework.  
Java | Spring framework | front-end | test automation | Scrum

Oct 2013 - Mar 2015 | **Academic ambassador, FIT & UNIVERSITY OF APPLIED SCIENCES UPPER AUSTRIA, Austria**  
Represented a non-profit organization to support women and girls in STEM degree programs and my home university as first person of contact, organized and held talks and workshops.  
communication | administration

## PUBLICATIONS

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- 2021 E. Stockinger, M. Bräger, B. Copy, B. Farnham, M. Ludwig, and B. Schofield, "OPC UA Data Acquisition for the C2MON Framework", presented at the 18th Int. Conf. on Accelerator and Large Experimental Physics Control Systems (ICALPCS'21), Shanghai, China, Oct. 2021, paper TUPV005.

## ACHIEVEMENTS

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- 2020 Merit award of the European Institute for Innovation and Technology for academic excellence  
Merit award of Aalto University for academic progress
- 2019 Placement in the top 5% of the Austrian Innovation Marathon

## CONFERENCES AND COURSES

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- 2021 18th International Conference on Accelerator and Large Experimental Physics Control Systems (online, presenter)  
4th International School on Deep Learning (Gran Canaria, Spain)  
Grace Hopper Celebration EMEA (online)
- 2020 Inverted CERN School of Computing (Geneva, Switzerland)  
Grace Hopper Celebration (online, scholarship)
- 2019 IoT Platforms for Internet 4.0 (Munich, Germany, scholarship)  
European Forum Alpbach (Alpbach, Austria, scholarship)  
Infineon winter school on Chip Fabrication (Villach, Austria, scholarship)
- 2018 International Mechatronics Summer School (Brno, Czech Republic)

## SKILLS

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<b>Programming languages</b>	Java : core language, Spring ecosystem, Testcontainers, Eclipse Milo, JMX, related JVM technologies Python : core language, Pytorch, Keras/Tensorflow, Tensorflow Lite, Flask C++, R, MicroPython, Arduino, Javascript & PHP
<b>Machine learning</b>	active and multi-task learning, reinforcement learning, transfer learning, NLP, transformer models, CNN, A2C, Bayesian models, ensemble methods
<b>Robotics and IoT</b>	localization and mapping, path / motion / kinematic planning and control, sensor fusion, ROS
<b>Tools and services</b>	git, Maven, Docker, Prometheus, Grafana, SQL, Android, Google Glass, Unity, Protégé
<b>Business &amp; innovation</b>	design thinking, lean service design, business model canvas, requirements engineering, QUPER, UML modeling, Scrum

## VOLUNTEER WORK

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- Since 2021 Member of the cooperative housing project *HochFoif*
- Since 2017 Member of *foodsharing*, an initiative to counteract food waste (Central Europe)
- 2019 co-conducted the startup pitching competition for the tech event *Slush* (Helsinki, Finland)
- 2016-2017 Chairwoman and founding member of the cultural club *freDDa*, co-organized a moneyless swap shop and spaces for cultural exchange with and for refugees (Linz, Austria)
- 2015-2017 Part of the social housing project *Willy\*Fred* and the solidarity conglomeration *habiTAT*, responsible for fundraising and financing (Austria)
- 2013-2015 Promoted STEM degree programs to women and girls in high school (Austria)
- 2012-2015 Volunteer for the International Office of the University of Applied Sciences Upper Austria (Austria)

## LANGUAGES

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German	● ● ● ● ●
English	● ● ● ● ●
French	● ● ● ○ ○
Spanish	● ● ○ ○ ○
Finnish	😊 ○ ○ ○ ○
Latin	● ● ● ○ ○

## FUN FACTS

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- > Therapeutic flying practitioner
- > Lived on a Finnish island with a population of 14
- > Spent 2017 on a backpacking trip across Latin America
- > Was rained on in the desert when trying to stargaze
- > Failing at juggling again and again since 2018