### Elisabeth Stockinger Doctoral student at ETH Zurich

- in linkedin.com/in/elisabeth-stockinger
- github.com/estockinger
- @ elisabeth.stockinger@live.at
- 1 +43 677 6269 6042
- Oialogweg 6, 8050 Zurich, Switzerland
- i Born in 1993, citizen of Austria



#### **EDUCATION**

#### From Jan 2022 PhD within the HumanE-Al-Network, ETH ZURICH, Switzerland

Research topic: Artificial Intelligence in participatory democratic systems.

participatory Al 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 Al-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**

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

## ACHIEVEMENTS

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

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)

### **S**KILLS

Programming Java: core language, Spring ecosystem, Testcontainers, Eclipse Milo, JMX, related JVM technologies

languages Python: core language, Pytorch, Keras/Tensorflow, Tensorflow Lite, Flask

C++, R, MicroPython, Arduino, Javascript & PHP

active and multi-task learning, reinforcement learning, transfer learning, NLP, transformer models, Machine learning

CNN, A2C, Bayesian models, ensemble methods

Robotics and IoT localization and mapping, path / motion / kinematic planning and control, sensor fusion, ROS

Tools and services git, Maven, Docker, Prometheus, Grafana, SQL, Android, Google Glass, Unity, Protégé

Business & design thinking, lean service design, business model canvas, requirements engineering, QUPER,

innovation UML modeling, Scrum

## VOLUNTEER WORK

2021 Ma	mher of the co	onarativa hou	icing nro	viact HachEa
7071 IVIE	mner of the co	ionerative noi	ising nrc	нест носпь

Member of foodsharing, an initiative to counteract food waste (Central Europe) Since 2017

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)

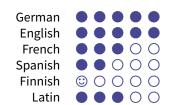
2015-2017 Part of the social housing project Willy\*Fred and the solidarity conglomeration habiTAT, responsible

for fundraising and financing (Austria)

2013-2015 Promoted STEM degree programs to women and girls in high school (Austria)

Volunteer for the International Office of the University of Applied Sciences Upper Austria (Austria) 2012-2015

### LANGUAGES



### FUN FACTS

- > 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