

MAX JAPPERT

PERSONAL PROFILE

A highly driven MSc Machine Learning student at UCL with a keen interest in computational intelligence and emergent systems, in addition to a diverse work history, a broad set of interests and skills and strong communication abilities. BSc Computer Science graduate with thesis awarded the highest grade possible. My ambition is to apply interdisciplinary, potentially computational approaches to complex problems.

EDUCATION

University College London (UCL)

September 2023 - September 2024

M.Sc. in Machine Learning

Competitive admission rate of 8.8%

Attending modules taught by the Gatsby Computational Neuroscience Unit and Google Deep Mind

Overall grade: 91%

University of Basel

September 2018 - July 2022

B.Sc. in Computer Science

72 ECTS in Philosophy and Cultural Anthropology

Bachelor's thesis supervised by AAAI fellow Prof. Dr. Malte Helmert, awarded highest possible grade

Overall Grade: 5.4/6 (equivalent to *magna cum laude*)

EXPERIENCE

Department of Biomedical Engineering, University of Basel

March 2023 - July 2023

Research Assistant and Software Engineer

Basel, Switzerland

- Developed software for Prof. Dr. Philippe Cattin, head of the Department of Biomedical Engineering.
- Implemented a pipeline for feeding medical data to deep learning models, a system to detect divergent MRI configurations using a variational autoencoder and a deep learning model to detect hip landmarks in x-ray images.

Alpine Farm of Max and Anita Wyrsh-Gwerder

July 2023 - October 2023

Farm Labourer

Wolfenschiessen, Switzerland

- In the scope of the civilian service, Swiss citizens can opt to do civilian, rather than military service, I worked full-time on a farm in the Swiss alps.
- Work involved milking, feeding and herding goats and cows, making hay, mucking out, construction work, child care and the maintenance of a cable car, amongst many other tasks.

University of Basel

September 2021 - July 2022

Teaching Assistant

Basel, Switzerland

- Worked for the modules *Algorithms and Datastructures* and *Computer Architecture and Trustworthy Computing*.
- Conceptualised and graded exercise sheets, held weekly exercise sessions answering questions, introducing the exercise sheets and presenting a summary of the key points of the lecture, part of grading team.

insieme

March 2021 - October 2021

Software Engineer

Basel, Switzerland

- Worked in front- and back-end development for the now defunct sharing app *insieme* using React Native for the former and Spring Webflux for the latter.
- Joint venture with students from ETH Zurich and the University of St. Gallen.

BackwarenOutlet*Voluntary Employee*

April 2020 - July 2021

Basel, Switzerland

- During the height of the COVID-19 pandemic, I worked voluntarily for an organisation which redistributes unsold food items in order to counteract food waste.

Swiss Museum for Paper, Writing and Printing*Staff Member*

February 2018 - July 2018

Basel, Switzerland

- In the first part of the Swiss civilian service, I worked in a museum dedicated to the history of paper and printing. The position involved acquiring a solid understanding of the history of paper and printing, holding guided tours and demonstrating historic techniques of printing and paper making, amongst other tasks.

SKILLS/INTERESTS/MISCELLANEOUS

Languages

Native in English and German, working knowledge in French.

Programming Languages

Python, Java, C, C++, Bash, Processing and MATLAB.

Tools

SQLite, PostgreSQL, Vim, Ableton Live, Unix, JetBrains IDEs and PyTorch.

Interests

Music performance, running, cycling, meditation and reading.

Awards

Swiss Youth Music Competition (SJMw) 2019.