Franz Nowak

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website: https://franznowak.github.io/

Work Experience

TEACHING ASSISTANT | ETH ZURICH, UZH | FEB 2022 - PRESENT

Preparing graded assignments, holding tutorials, answering students' questions about the course.
Courses: Advanced Machine Learning, UZH, Feb - Jul 2022; Natural Language Processing, ETH, Sep 2022 - Present

PRODUCT RELIABILITY ENGINEER | PALANTIR UK LTD (LONDON) | SEP 2019 - AUG 2021

Embedded software reliability engineer with the Data Integrations team of the Palantir Gotham platform. Responsibilities include: Coding of backend API endpoints in Java; identifying and fixing bugs in backend code; improving product performance and reliability by developing metrics in Java that analyze performance; creating programming courses to mentor peers on understanding and contributing to the codebase;

SOFTWARE ENGINEERING INTERN | ENSOFT LTD (HARPENDEN) | JUN - AUG 2018

Developed a data analytics software tool in Python for profiling and visualization of runtime performance on Linux systems. Planned and kicked off the project and later supervised other interns starting to work on the project. Languages also included PERL and bash.

GUEST SCIENTIST | TECHNISCHE UNIVERSITÄT BERLIN | JUL 2017

Developed a software tool in Java to perform 3D simulations of electron holography in arbitrary electrostatic potential distributions. Also took electron holographic measurements which were published together with my simulations at the IMC19 September 2018 in Sydney.

Education

ETH ZURICH | MSC COMPUTER SCIENCE | SEP 2021 - PRESENT

Focus on Machine Learning and Natural Language Processing. Current semester GPA: 5.5

UNIVERSITY OF CAMBRIDGE | BA COMPUTER SCIENCE | OCT 2016 – JUN 2019

Final year project: Applying machine learning to data structures for more efficient data retrieval.

SCHOLARSHIP AWARDS

- Studienstiftung des Deutschen Volkes e.V. - awarded to the top 0.5% of German students (since 2014)
- Glemser Stiftung for Future Excellency - awarded for the top result in high school final exams (since 2014)

Skills and certifications

PROGRAMMING SKILLS

Programming in Python, Java, C#; Machine Learning using libraries such as PyTorch, keras, TensorFlow; developing backend API endpoints; testing via IntelliJ and Mockito; automation via PERL and bash;

CERTIFICATIONS

- Natural Language Processing with Classification and Vector Spaces - Coursera Course Certificate (2020)
- Neural Networks and Deep Learning - Coursera Course Certificate (2019)