

Christoph Sonntag

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Career Objective

I enjoy being in the space between research and application: solving business problems with the help of SOTA research. I'm a skilled Data Scientist and Machine Learning Engineer with years of experience in Software Engineering.

Skills

Data Science/Machine Learning	TensorFlow, NumPy, Pandas, Jupyter, Flower, NLTK, NLP
Programming	Python, Java, Scala, PHP, JavaScript (TypeScript, node.js, Vue.js, React)
Backend and Infrastructure	SQL, MongoDB, Redis, Docker, AWS EC2;S3;Sagemaker
Languages	English (full proficiency), German (native), French (basic)

Education

M.Sc. Computer Science

University of Vienna [↗](#), Austria, Mar 2024

- Research on Federated Learning, NLP, Explainable and Interpretable ML [↗](#), Cloud and Edge Computing [↗](#) and Digital Humanism [↗](#)
- Thesis with SBA Research, that deals with backdoor attacks on NLP models in Federated Learning, a distributed ML approach of collaboratively training a joint model on the union of multiple client datasets.

B.Sc. Internet Computing

University of Passau [↗](#), Germany, Dec 2020

- Thesis on ResNets, enabling very deep neural network architectures (implemented in Python using Tensorflow)

Work Experience

Data Scientist & Engineer

Upstream Mobility, Vienna, Austria
Jul 2024

- Part of the "Artificial Intelligence" Competence Center.

Software Engineer

Freelance [↗](#), Germany
Jun 2013 – 2021

- Consultation, implementation and integration of customized software projects for differently sized companies with Python, Django, flask, Docker, redis, ...
- Dashboards and low level data aggregation pipelines on-premise.

Software Engineer

dialog sued [↗](#), Munich, Germany
Jan 2016 – Oct 2020

- Software Development with Python, Django, Docker, Javascript/Typescript, jQuery, PHP.
- Full responsibility of software development on most projects.

Further Experience

Mozilla Festival 2024 Wrangler, Mozilla

Feb 2024 –

- Co-creating the program with other Wranglers, circulating the Call for Proposals, and curating MozFest sessions.

Summer Institute of Computational Social Sciences [↗](#), Università degli Studi di Roma "Tor Vergata"

Jun 2023

- Topics on Trustworthy AI, Research Ethics and NLP

Elected Student Representative, University of Passau

Apr 2016 – Aug 2020

- Team Lead, managing 100 volunteers in campus-wide event with >20k revenue
- Student representation in appointment processes for new professorships ("Hardware Oriented Security" and "Algorithms for Intelligent Systems")