

Christoph Sonntag

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Education

University of Vienna, Austria

M.Sc. Computer Science
Expected 2023

- Projects on Data Analysis and Deep Learning (Python, TensorFlow), Cloud and Edge Computing (GCP, AWS), Visual Data Analysis (three.js, Tableau) and Security
- Current interests include Variational Autoencoders, Backdoor Attacks on Large Language Models and Cloud Computing

University of Passau, Germany

B.Sc. Internet Computing
2020

- Thesis on residual neural networks, enabling very deep neural network architectures (implemented in Python using Tensorflow)
- Projects on web microservices using Spring and Docker

Work Experience

Software Engineer

On-contract, Germany
June 2013 -
Remote, Part-time

- Web Development with Python/Django, PHP, node.js, Docker and Jenkins
- Engineering and Implementation of contract-based projects

Lecturer

ZKK, University of Passau, Germany
October 2017 - July 2018

- Weekend courses introducing students to programming with Python
- Responsible for course planning and teaching of classes (4.47 avg. score on a scale from 1-5, worst to best)

Programming Expertise

Smart Metering App for Community Houses, contract-based

2018

- Dockerized Django application using Redis as a message broker for scheduling requests to connected meter on a bus using the MODBUS protocol

Software Engineering and Algorithms, Lecture Courses at University

- Data Analysis & Data Mining (Python, Tensorflow, Jupyter), Functional Programming (Haskell and Scala), Advanced Software Engineering (Java, Spring, Docker), Cloud Computing (Kubernetes, AWS, GCP)

Volunteer Experience

Student Council Member, University of Passau

04/2016 - 10/2020

- Student representation in appointment processes for new professorships ("Hardware Oriented Security" and "Algorithms for Intelligent Systems")
- Management of a campus-wide event with a revenue of more than 20K EUR and over 100 volunteers

Fire Department, Active Member

09/2012 -

- Technical assistance and help after car accidents (special training).
- Special education workshop for carrying respiratory protective equipment.