

# Felix Schlösser

## Junior Software Engineer / DevOps



mail@felixschloesser.de  
Wolfgangsweg 14, Hamburg  
+49 15152568368

## Experience

TU-Hamburg (AStA) 2020 – 2023  
**Full Stack Web Developer and Sysadmin**

Developed a custom CMS backend and frontend, as well as internal CRUD web applications. Operated several on-premises services on virtual machines using Ansible; including observability metrics and alerting.

*Django, Wagtail CMS, Pretix Ticketing, Bookstack Wiki*

TU-Hamburg (Secure Cyberphysical Systems) 2023  
**Tutor: Python for Data Analysis**

Taught weekly classes for up to 20 students. Topics included everything from algorithms to data analysis, visualization and machine learning.

*pandas, matplotlib, scikit-learn*

TU-Hamburg (Communication Networks) 2018-2023  
**Tutor: Computer Networks & Internet Security**

Developed and taught weekly Raspberry Pi based labs for up to 25 students. Topics included the OSI model, network programming and IP, TLS and DNS security.

*Tutor Lehrpreis 2020, Raspberry Pi, wireshark, netem*

TM Rescue Respiration UG (Hamburg, Germany) 2020-2022  
**User Interface Developer for a Medical Device**

Designed, developed and deployed a graphical user interface for a open hardware ventilator, created by a team of volunteers. Financed by the German Federal Government and certified by TÜV-Süd for manufacturing in newly industrialized countries.

*V-Modell, Model-View-Presenter, pyqt5, tkinter*

Rongheng Information Technology Co. (Shanghai, China) 2019  
**Internship: Computer Vision based Inspection**

Researched and developed a computer vision based industrial quality control system to identify defects in glossy, curved surface, metal parts. Created a capture setup and a dataset of 1000+ images. Developed a containerized jupyter notebook based prototype using edge detection and morphological operations for feature extraction.

*SCRUM, docker, jupyter, scikit-image*

## Education

Technische Universität Hamburg 2016-Present  
**Computer Science (B.Sc.)**

Université de Technologie de Compiègne (France) 2022  
**Erasmus+ Exchange**

ISI Language School (Tokyo, Japan) 2015-2016  
**Asian Languages and Culture Certificate**

Pater Damian Sekundarschule (Eupen, Belgium) 2009-2015  
**Abitur**

## Skills

**Python** *advanced*

*Web Backend, GUI, Data Analysis, ML*

**Linux Admin** *intermediate*

*Ansible, vSphere, GitLab, grafana*

**DB Admin** *intermediate*

*Postgresql, MySQL, Redis*

**Rust** *intermediate*

*Personal Projects*

**Haskell** *basic*

*University Projects*

**JavaScript** *basic*

*Web Frontend*

## Soft Skills

### Teamwork & Communication

- First Chair of the board of student representatives (AStA)
- NGO volunteering
- Scout Leader

## Languages

- German *native*
- English *C2*
- French *C1*
- Japanese *JLPT N4*

## Thesis

A LINDDUN-driven Approach

### Privacy Threats in Exposure Notification Protocols

Extracted a dataset of privacy threats from previous Literature, created a DFD model and used the LINDDUN threat trees to elicit privacy threats. Enabled the identification of novel privacy threats and provided insights into the effectiveness of the LINDDUN and DFDs for distributed software systems.

**Supervisors:** *Dr. Nicolás Díaz Ferreyra, Prof. Dr. Riccardo Scandariato*