

Simon Sternbauer

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Linz / Freistadt, Austria



EXPERIENCE

- **Primetals Austria**
Software Engineer for Continous Casting Machines
Design and implementation of internal software tools in Java for designing casting machines
Summer 2019 and 2020, October 2020 to October 2021, since February 2021
- **Technician at JKU**
Institute for Digital Business
Responsible for hardware maintenance, server and software management, technical exam assistant
October 2021 to February 2022
- **Student assistant at JKU**
Institute for Integrated Circuits / of Telecooperation
winter semester 2019, summer semester 2020
- **Compulsory internships**
Stiwa Group and Technosert
Implementation of backup tools, home automation visualisations and hardware manufacturing
Summer 2014 to 2016

EDUCATION

- **MSc programm for Computer Science**
Johannes Kepler University Linz (JKU)
Since 2021
- **BSc programm for Computer Science**
Johannes Kepler University Linz (JKU)
2018 - 2021
- **Community service - kindergarten assistant**
Pfarrcaritas Kindergärten Freistadt
2017 - 2018
- **High Technical College (HTL) Linz Paul-Hahn-Straße**
Computer Science / Information Technology
A-Levels passed with distinction
2012 - 2017

SKILLS

- **Programming languages**
Java, C, C#, VHDL, PHP, Javascript, SQL, Python, x86/MIPS Assembly, UnitTesting, Shell
- **Office & Docs**
L^AT_EX, Markdown, Office suites
- **Interests**
Rust, Automatisations, UnitTesting, Linux, Cryptography, Embedded and small-scale systems, remote management and some machine learning
- **Languages**
German (native speaker), English (B2/C1)

PROJECTS

- **LMS/HSS bachelor thesis** [github.com]
Extended implementation hash based signature system for post-quantum cryptography
C, Make
- **Raspi soil moisture detector** [github.com]
A demonstration on how to use two different small-scale systems, sensors and actuators as a whole system for detecting the soil moisture levels of plants.
Python, Shell, SQL
- **AirBnB Data Visualiztation** [github.com]
Made with lots of sweat of AirBnB data for Barcelona, including graphs, plots, PCA and clustering.
Python, Jupyter

OTHER HIGHLIGHTS

- Editor for the German hardware and tech news/review page www.tech-review.de
- You can send me PGP-encrypted email (ECC (ed25519)) to my address. The Public Key can be found here and has the the following fingerprint:
5f9b62d5ec277ebe187bb09a53597a1a03a9da40