

Simon Sternbauer

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Freistadt/Linz, Austria



EXPERIENCE

- **Primetals Austria PTAT**
Software Engineer for Continous Casting Machines
Design and implementation of internal software tools
in Java for designing casting machines
Since October 2020
- **Student assistant at JKU**
Institute for Integrated Circuits / Institute of Telecooperation
winter semester 2019, summer semester 2020
- **Internship Primetals Austria**
Software Engineer for Continous Casting Machines
Implementation of smaller software parts for internal
software tools to design casting machines
Summer 2019 and 2020
- **Compulsory internships**
Stiwa Group and Technosert
Implementation of backup tools, home automation visualisations and hardware manufacturing
Summer 2014 to 2016

EDUCATION

- **BSc programm for Computer Science**
Johannes Kepler University Linz (JKU)
Since 2018
- **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
- **Elementary school and lower level Grammar School (Gymnasium) Freistadt**
2004 - 2012

SKILLS

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

PROJECTS

- **MicroJava Compiler** [github.com]
Compiles the MicroJava language with labeled breaks into Bytecode
Java, UnitTests
- **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
- **My Homepage** [github.com]
A scalable, multi-version, globally distributed, and synchronously replicated database
C++, Java, Bash

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