Simon Sternbauer

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Freistadt/Linz, Austria

EXPERIENCE

- **Technician at JKU**
  Institute for Digital Business
  Responsible for hardware maintenance, server and software management, technical exam assistant
  Since October 2021

- **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

- **Student assistant at JKU**
  Institute for Integrated Circuits / Institute 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**
  LaTeX, Markdown, Office suites

- **Interests**
  Rust, Automatisation, UnitTesting, Linux, Cryptography, Embedded and small-scale systems, remote management

- **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

- **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