

# Simon Sternbauer

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Linz / Freistadt, Austria



## EXPERIENCE

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- **Primetals Austria**

Software Engineer for Continuous 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 vi-  
sualisations and hardware manufacturing  
*Summer 2014 to 2016*

## EDUCATION

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- **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

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- **Programming languages**

Java, C, C#, VHDL, PHP, Javascript, SQL, Python,  
x86/MIPS Assembly, UnitTesting, Shell

- **Office & Docs**

LaTeX, Markdown, Office suites

- **Interests**

Rust, Automatisations, UnitTesting, Linux, Cryptogra-  
phy, Embedded and small-scale systems, remote man-  
agement and some machine learning

- **Languages**

German (native speaker), English (B2/C1)

## PROJECTS

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- **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 Dat Visualiztation** [github.com]

Made with lots of sweat of AirBnB data for Barcelona,  
including graphs, plots, PCA and clustering.  
*Python, Jupyter*

## OTHER HIGHLIGHTS

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- Editor for the German hardware and tech news/review  
page [www.tech-review.de](http://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