



# NOAH HÜSSER

Nationality: Swiss

Date of Birth: 12th January 1991

## CONTACT

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<https://github.com/Yatekii>

Ammerswilerstrasse 31F  
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## ACTIVITIES

Programming, Electronics,  
Server Admin, Ju Jitsu,  
Running

## PROFESSIONAL SKILLS

Software Development  
SRE  
Project Management  
Embedded Systems

## LANGUAGES

German *mother tongue*  
English *fluent*  
French *experienced*

## ENGINEERING TOOLS

Linux/Unix Administration  
Docker, K8S  
GL CI, GH Actions  
Jupyter, Scipy, Numpy, Pandas

## PROGRAMMING

*frequently used*  
Rust, Dart, Python, C, C#,  
JavaScript, SQL

*used in the past*

VHDL, Tcl, Java, PHP, C++,  
Bash, VB.NET, LaTeX

## MISCELLANEOUS

Git

## REFERENCES

on request

Last updated 2023-07.

## PRACTICAL EXPERIENCE

### UNDISCLOSED FINTECH

Contractor, Rust Backend Engineer, December 2021 to Present in Zürich  
Maintainer of the biggest microservice, managing user permissions and sessions.  
Focus on service stability, performance, technology choices and DX.

### TECHNOKRAT

Co-Founder, Prototyping Engineer, May 2017 to October 2021 in Zürich  
Built software for embedded devices, cloud services and webapplications.  
Built devices from power electronics to microelectronics ([portfolio](#)).

### SIGLIS

Co-Founder, Software Engineer, August 2020 to August 2021 in Zürich  
Developed and manufactured a product from start to finish. ([zigfred.ch](#)). Responsibilities were mechanical design, mobile app and automated factory testing.

### ABB MICAFIL

Part Time Software Engineer, Jul 2016 to March 2018 in Zürich  
Developed a CAD tool to dimension bushings (C#, WPF UI) and a system to monitor, analyze and control the production line of a bushing (SQL, C#, TS).

### NEXUS TELECOM

Low Level C Programmer, Mai 2014 to Mai 2015 in Zürich  
Porting the core C library from a strictly 32 bit architecture to 32/64 bit.

## VOLUNTEER EXPERIENCE

### JU JITSU CLUB AARAU

Treasurer, Apr 2019 to Apr 2023 in Aarau

### BASTLI, STUDENTS LAB, ETH ZURICH

President, Feb 2016 to Oct 2016 in Zürich  
Treasurer, Feb 2015 to Feb 2016 in Zürich

## EDUCATION

**FHNW BRUGG-WINDISCH** BSc in EE and IT, 2016 to 2017 in Windisch

**ETH ZÜRICH** BSc in EE and IT, Sep 2013 to Feb 2016 in Zürich

## PUBLICATIONS AND OPEN SOURCE

### PROBE-RS EMBEDDED TOOLCHAIN

Project Lead, Mar 2019 to present in [probe.rs](#)

The toolkit allows to control embedded ARM and RISC-V MCUs to be controlled from a host. The project offers:

- a library to control targets from code
- CLI tools to flash and log data from targets
- A VSCode debugger plugin

### FPGA BASED SPECTRUM ANALYZER

Bachelor Thesis at FHNW, Mar 2017 to Aug 2017 in Windisch

The tasks included, but were not limited to, the implementation of:

- CIC/FIR-filter-chains for data decimation
- A server to transmit data via WebSockets on an embedded Linux
- A GUI to retrieve data over WebSockets, transform and display it (JavaScript)