FLORIAN **EICH**

Software Engineer

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ABOUT ME

I am passionate about solid engineering, and comfortable from the bare metal to algorithms development. At Helsing, I work on the codebase we use for deploying cutting edge AI models to airborne platforms.
My unfair advantage is my ability to bridge the gap: between inidivuals on teams, between collaborating teams, across disciplines and organisations.

EXPERIENCE

2023 – now
Software Engineer Backend — **Helsing**
Took a Rust codebase from prototype to production, and worked with the partner to deploy it to the platform for the Centaur project. Key contributor to the adoption of Nix at Helsing. Reduced onboarding time for engineering from weeks to days. Shaped career management for engineers at Helsing, and contributed to the success of a dozen engineers directly. Established a Formula Student sponsorship program to target and hire the next generation.

2018 – now
Owner and Managing Director — **bmc::labs**
Started **bmc::labs** for contractual work. Still use it as a platform to work on tech I like.

2016 – 2022
Data Engineer, later Head of Data Engineering — **WSC Ltd.**
Started as a freelancer, then quickly became an integral part of WSC's technical department. Led the team in charge of regulation development and software engineering for data based regulatory compliance analysis, coaching and reviewing of technical departments globally. Worked with Marelli Motorsport on the implementation of a common ECU for TCR cars.

2015 – 2018
part time
Student Software Developer — **BMW Motorsport**
Worked on small R&D projects, and provided general software development support.

2012 – 2018
part time
Tutor and Research Assistant — **LMU Munich**
Taught C and C++. Tutored lab projects for Linux-based backends and Infineon Tricore embedded work. Provided research assistance on Xeon Phi accelerator cars for the HPC faculty.

2011 – 2017
Formula Student Engineer, Team Manager and Technical Director — **municHMotorsport**
Worked on all aspects of the team, rebuilding the sponsoring and marketing departments and building out a computational infrastructure group. Drove key architectural decisions for the electric car, and kickstarted the driverless category campaign. Key contributor to bringing the team from the mid field to the top ten in the world ranking.

EDUCATION

2016 – 2022
M.Sc. Program Computer Science — **LMU Munich**
Focused on embedded systems and data streams. Dove deep into modern C++ and Rust.
Thesis: *Concurrent Stream Reasoning for Complex Event Recognition*

2012 – 2016
B.Sc. Degree Computer Science (Major), Theoretical Physics (Minor) — **LMU Munich**
Focused on systems programming and high performance computing.
Thesis: *Bidirectional CAN bus telemetry on a Formula Student/SAE car*

2008 – 2012
B.Sc. Program Physics – unfinished — **LMU Munich**
I liked Physics, but half way into the program, I went to build racecars instead.

LANGUAGES

German - native
English - proficient 117/120 TOEFL iBT
French - basic conversational
Italian - rudimentary

TOOLBOX

Software Engineering
neovim, git, nix, AI native workflow
Motorsport
Matlab, WinTAX, RS3, HHTiming

OFF WORK

Family, cycling, walking the dog. Reading, learning, coding. On vacations: take only pictures, leave only footprints.