Karl Miklautz - Curriculum Vitae

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Summary

Passionate tech enthusiast and accomplished full-stack developer with expertise in Quantum technologies. Specializing in Rust, Python and JavaScript, I excel in implementing scalable solutions that breathe life into visionary concepts. My journey is fueled by a relentless drive to challenge the status quo and co-create a future where innovation knows no bounds. Let us be the ones who do!

Education

Hult Business School, Masters in International Business, Oct. 2022-Dec. 2022
Aborted

Technical University of Munich, M.Sc. Applied and Engineering Physics, Oct. 2019-Sep. 2021
Thesis: *Fiber Based Optical Cavities for the Characterisation of Single Erbium Ions*, Max-Planck Institute of Quantum Optics
GPA: 3.3/4.0

Technical University of Munich, B.Sc. Physics, Oct. 2016-Sep. 2019
Thesis: *Noise and Stability Characterization of the 199-Hg Magnetometer for the PanEDM experiment*, E66-Prof. Fierlinger
GPA: 3.0/4.0

Work Experience

Freelance Developer and Startup Co-founder, Jan. 2023-Dec. 2023
Led successful freelance projects, showcasing technical proficiency and client satisfaction.
Co-founded and played a pivotal role in the development of Lumis, a SaaS company focusing on friend and family travel. Our vision at Lumis was to create innovative solutions that fostered memorable and personalized travel experiences for users.

Dipl.-Ing Miklautz ZT Ges.m.b.H., Internship, Jan. 2020-Apr. 2022
Configuration of a modern IT infrastructure with a focus on remote work
Implementation of a first web representation of the company (dimiklautz.at)

E66-Prof. Fierlinger, Student intern, Jan. 2020-Mar. 2020
Performance analysis for the power stabilization setup for the 199-Hg magnetometer

E66-Prof. Fierlinger, Student intern, Sept. 2018-Oct. 2018
2D magnetic field map creation for the PanEDM experiment at the ILL (Grenoble, France)

Skills

Programming Languages: Python, Rust, JavaScript, TypeScript, C, SQL, Verilog

Web Development: DRF (Django Rest Framework), Next.js, React, SCSS, HTML

Languages: Fluent in German, Advanced English, Basic Italian, Novice Russian/Slovenian

Communication: Proficient in Top-Down communication with a focus on McKinsey principles