Alex Rohregger

About Me

Creatively minded roboticist with a deep passion for discovering and developing digitally-enabled hardware & software products.

— Extensive experience and success working in interdisciplinary product teams to deliver projects on time and within budget
— Deep knowledge and experience in rapid, cost-effective hardware and software development (skills below)
— Analytical problem solver capable of leveraging advanced data insight tools to drive critical decisions
— Exceptional verbal and written communicator capable of building teams and managing stakeholders

Contact

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Skills

A sample of the tools and skills I have learnt and used throughout my professional, academic, and personal projects

Figma   Miro   Notion   Design Sprint

UX/UI Research & Design   Trend Research

Model-Predictive Control   Rapid Prototyping

Python C++ Git Linux Vue.JS HTML/CSS

Embedded Systems Development MATLAB ROS

Inventor/Solidworks Adobe Cinema4D Resolve

Languages

ENGLISH native
GERMAN native

Work Experience

03/2021 - 05/2021 and 01/2022 - Present
Investment Analyst
Picus Capital
— Responsible for establishing and generating a robotics dealflow pipeline
— Technology, market, and historical trend research into robotics ventures
— Performing due diligence on potential robotics and deeptech companies
— Note: since June I have worked as an advisor due to Master's Thesis commitment

12/2020 - 04/2021
Freelance IOT-Hardware Developer
Monitorfish
— Hardware and software development of MVP IoT valve systems for fish farms helping to reduce the annual loss of fish livestock by 25%
— Responsible for defining BoM and procurement with cost saving of 20% per unit
— Translation of user requirements into technical specifications

04/2020 - 10/2020
Team Lead Robot Control and Interface
RobCo - The Robot Company
— Conducting market and user research for defining key user pain points
— Team lead for the dev-ops of a modular robotics control platform (**M-Control**) which enabled users to plan and control their robots 30% faster
— UX/UI testing based on NN-Group theory combined with quantitative analysis

08/2019 - 03/2020
Venture Development
better ventures group
— Trend research and development of innovative product concepts for parents
— Quantitative and qualitative user research and analysis for product ideation
— Responsible for product management and hardware development of a smart sleeping companion for children, named **Olaf** improving child sleep willingness and satisfaction by 25% - integrated feedback into several product iterations

Education

10/2018 - Present
M. Sc. Robotics, Cognition, Intelligence
Technical University of Munich - TUM
— Specialisation in intelligent systems, ML and agile legged robotics
— Thesis: Development of digital twin for the exploration of a novel robot control architecture for a bio-inspired, compliant robotic mouse with spine
— Current GPA of 1.4 (**top 5%**)

08/2019 - Present
Digital Technology Management
Center for Digital Technology and Management - CDTM
— Interdisciplinary study program provided to the 50 best students of TUM/LMU
— Specialisation in UX/UI research and techniques product management
— Team lead for internal social media and digital marketing strategy

08/2014 - 09/2018
B. Sc. Mechanical Engineering
Karlsruhe Institute of Technology - KIT
— Specialisation in energy engineering and additive manufacturing
— Graduated with GPA 1.2 and distinction (**top 1%**)
— President of the Student Association for International Students leading a team of 30 students, increasing budget by 100% and student satisfaction by 150%