MAHER SHEIKHI

Clinical Engineer | Certified Medical Device Advisor – §83 MPDG (TÜV SÜD Akademie)

• Munich, Germany   • mahershei67@gmail.com   • +49 015901610157   • https://mahersheikhi.github.io/

• linkedin.com/in/maher-sheikhi   • github.com/mahersheikhi

PROFESSIONAL EXPERIENCE

Clinical Engineer
2025/01 — Present

MED-EL, Munich, Germany

Technical support for MED-EL Cochlear Implant and Middle Ear Implant Systems as well as Otological Planning Software. Conducting device performance evaluations and training healthcare professionals on proper device usage and maintenance.

Development Engineer
2023/01 — 2024/12

Bertrandt Ing.-Büro GmbH (BMW Group), Munich, Germany

Component development for economic and ecological optimization of anti-theft alarm systems across BMW/Rolls-Royce/Mini vehicles. Managed validation processes using agile methodologies and prepared test protocols for homologation procedures.

Master Student
2022/07 — 2022/12

Arthrex GmbH, Munich, Germany

Thesis: Powerful data analysis of a surgical instrument test bench with Python. Developed user-friendly GUI for statistical data analysis using Python and machine learning algorithms. Optimized signal acquisition systems for testing surgical instruments.

Intern
2022/01 — 2022/06

Fresenius Medical Care, Bad Homburg, Germany

Participated in planning, preparation and implementation of software/hardware development for medical devices. Organized workshops on user story methodologies and supported project management with Scrum methodology for validation processes.

Associate Researcher
2021/08 — 2021/12

Clinical Neurotechnology Lab, Charité University, Berlin, Germany

Developed AI-powered Brain-Computer Interface systems for online biosignal processing (EEG, MEG, EMG). Built software platforms using Python and machine learning algorithms for real-time neural signal analysis. Implemented advanced pipelines with Neuropype and created hand exoskeleton control interfaces.

Electrical Engineer
2014/03 — 2017/08

Farzanegan Faranoor, Isfahan, Iran

Automated measurement and visualization systems with LabVIEW and MATLAB. Achieved cost reduction through alternative materials and provided technical consultation to customers during and after product purchase.

EDUCATION

M.Sc. Electrical Engineering
TU Berlin
2020 — 2022

B.Sc. Electrical Engineering
Azad University
2011 — 2017

TECHNICAL SKILLS

BCI & NEUROTECH
Cochlear Implant, BCI, EEG, EMG, MEG, Biosignal Processing, Neuropype

AI & ML
Machine Learning, Computer Vision, Computational Neuroscience, Data Analysis

PROGRAMMING
Python, MATLAB, LabVIEW, SQL, HTML

TECHNOLOGIES
Git, Azure, Cloud Computing, GUI Development

MANAGEMENT
Project Management, Agile/Scrum, Requirements, Quality Assurance

LANGUAGES

German
Expert

English
Expert

Persian
Native