MAHER SHEIKHI

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

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PROFESSIONAL EXPERIENCE

Clinical Engineer
2025/01 — Present

MED-EL, Munich

Technical support for Cochlear Implant and Middle Ear Implant Systems. Device performance evaluations and healthcare professional training.

Development Engineer
2023/01 — 2024/12

Bertrandt Ing.-Büro (BMW Group), Munich

Component development for anti-theft alarm systems. Validation processes with agile methodologies.

Master Student
2022/07 — 2022/12

Arthrex GmbH, Munich

Thesis: Data analysis of surgical instrument test bench with Python. Developed GUI for statistical analysis using ML algorithms.

Intern
2022/01 — 2022/06

Fresenius Medical Care, Bad Homburg

Software/hardware development for medical devices. Workshop organization and Scrum project management support.

Associate Researcher
2021/08 — 2021/12

Charité University, Berlin

AI-powered Brain-Computer Interface systems for biosignal processing (EEG, MEG, EMG). Python ML algorithms for real-time neural signal analysis.

Electrical Engineer
2014/03 — 2017/08

Farzanegan Faranoor, Isfahan

Automated measurement systems with LabVIEW and MATLAB. Cost reduction and technical consultation.

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

Persian
Native

German
Expert

English
Expert