

QUIRIN WEIS
San Mateo, CA 94403
(650)-435-9910
quirin.weis@gmail.com

Summary of Qualifications

Highly motivated product design engineer with 8+ years of experience across consumer and automotive hardware devices. Extensive knowledge working with cross functional team members as well as overseas JDMs and CMs. Comfortable taking ownership of projects. Very process, result and detail oriented. US Permanent Resident.

PROFESSIONAL EXPERIENCE

Ghost Autonomy

Senior Mechanical Engineer, Product Design

Mountain View, USA
2019—present

- Tech lead for camera based autonomous vehicle systems, mentoring junior team members.
- Architecture development and mechanical design execution of multiple camera platforms.
- Collaborated with third-party to develop next gen CMOS camera module for thermally unstable environments.
- Rapid development to integrate LTE, GNSS and WiFi/BT modules into an automotive communications hub.
- Performed DOEs based on analysis driven design to quickly iterate towards a technical solution.
- Cross functional collaboration with Optical, Electrical Engineers as well as Industrial Design.
- Reliability testing (Vib, Shock, Temp) to ensure tight tolerance requirements for stereo vision systems.
- Vehicle integration of full sensor suite (Camera, Radar, Ultrasonics, Compute, Wire Harness)

Sirius XM

Senior Mechanical Engineer

San Francisco, USA
2017—2019

- End to end development of a new automotive consumer hardware device.
- Drove system architecture design in collaboration with EE and RF engineers.
- Managed JDM partners (Taiwan / China) to ensure on time delivery of new products.
- Achieved mass production (>150k units) by using advanced prototyping and manufacturing techniques.

Automatic Labs Inc.

Automotive Engineer

San Francisco, USA
2015—2017

- Designed and engineered small volume injection molded fixtures and in-house development tools.
- Reverse engineered manufacture specific bus communication to acquire enhanced vehicle data.
- Oversaw the testing of safety critical hardware components.

IAV GmbH

Student employee

Munich, Germany
2014—2015

- Technically validated pre series vehicles at the BMW proving grounds in Aschheim.
- Integration of measurement equipment in prototypes for specific automotive components.

BMW Group

Internship

Munich, Germany
2013—2014

- Designed concepts with Catia V5 for new prismatic cell formats (PHEV, HEV, BEV).
- Implemented a process sequence for a small battery production line.

EDUCATION

Munich University of Applied Sciences

Dipl.-Ing. (FH) Automotive Engineering

Munich, Germany
2010—2015

California Polytechnic State University

Mechanical Engineering (Student exchange program)

San Luis Obispo, CA
2012—2013

SKILLS

Creo, Catia
ANSYS

DFx
CNC, Injection molding

Language fluency: English, German
Python, Shell Script