Leon Greiner

✉ leon-greiner@t-online.de • 🌐 leongreiner.github.io • 🔗 linkedin.com/in/leon-greiner • 📞 +4915142103738

Education

Technical University of Munich   Munich, Germany
M.Sc. Robotics, Cognition, Intelligence   Oct 2023 – Present
- Relevant Coursework: Machine Learning, Robotics, Computer Vision, and more.

University of California, Berkeley   Berkeley, USA
Visiting Graduate Student   Aug 2024 – Dez 2024
- Coursework: Robotic Locomotion, Embedded Systems, Mathematical Programming
- Semester projects: Designed and built a fully autonomous wheeled quadruped and an autonomous Connect Four-playing machine for real-time human competition.

Technical University of Munich   Munich, Germany
B.Sc. Mechanical Engineering   Oct 2019 – Oct 2023
- Passed with merit
- Thesis: Landing Gear Design for Integration of Fuel Cells into a UAV; Passed with distinction

Experience

DLR - German Aerospace Center   Oberpfaffenhofen, Germany
Robotics Research Intern | Perception & Cognition   Feb 2025 – Present
- Developing and implementing a transformer-based model for pixel-wise correspondence in unknown object segmentation from stereo images.

RoboTUM   Munich, Germany
Robotics Engineer | Humanoid Team   May 2025 – Present
- Simulation on Isaac Sim

Silver Atena GmbH   Munich, Germany
Engineer Intern   Apr 2023 – Jun 2023
- Designed a dispenser robot in collaboration with a cross-functional team, significantly reducing manufacturing process time and lowering production costs.
- Conducted tests and inspections in the laboratory, ensuring quality control and improved product efficiency.

Air Torque GmbH   Ettlingen, Germany
CAD Design Intern   Oct 2020 – Jan 2022
- Designed and modeled CAD components of pneumatic actuators and limit switch boxes, solving design challenges and optimizing functionality.
- Developed detailed technical drawings using SolidWorks for customer orders and product manuals, ensuring satisfying client relationships.
- Produced creative instructional videos and animations using CAD software for training courses and the company website, simplifying and effectively explaining complex procedures such as driveshaft disassembly.

Manufacture Intern   Sep 2020 – Oct 2020
- Manufacture of pneumatic actuators
- Created technical drawings via SolidWorks for manufacturing processes and customers.

ÖHF GmbH   Malsch, Germany
Manufacture Intern   Mar 2020 – Apr 2020
- Manufacture of hydraulic lifts

Skills & Interests

Technical
- **Programming Languages & Libraries:** Python (PyTorch, NumPy, TensorFlow, OpenCV), C
- **Software & Tools:** MATLAB, Simulink, Git, PLM Windchill, Conda, CUDA, SolidWorks, Catia, Inventor, Creo, Altair, Windows Office, Linux Ubuntu/oSuse

Certifications & Awards
- English Proficiency Certificate - C1 on the CEFR
- DPG High School award for exceptional achievements in physics

Languages: English (C1), German (Native)
Interests: Weight training, FPV-Flying, Tennis, Mountain biking