

# Leon Greiner

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## Education

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### Technical University of Munich

#### M.Sc. Robotics, Cognition, Intelligence

Munich, Germany

Oct 2023 – Present

- Relevant Coursework: Machine Learning, Robotics, Computer Vision, and more.

### University of California, Berkeley

#### Visiting Graduate Student

Berkeley, USA

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

#### B.Sc. Mechanical Engineering

Munich, Germany

Oct 2019 – Oct 2023

- Passed with merit
- Thesis: Landing Gear Design for Integration of Fuel Cells into a UAV; Passed with distinction

## Experience

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### DLR - German Aerospace Center

#### Robotics Research Intern – Perception & Cognition

Oberpfaffenhofen, Germany

Feb 2025 – Present

- Developing and implementing a transformer-based model for pixel-wise correspondence in unknown object segmentation from stereo images.

### Silver Atena GmbH

#### Engineer Intern

Munich, Germany

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

#### CAD Design Intern

Ettlingen, Germany

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

#### Manufacture Intern

Malsch, Germany

Mar 2020 – Apr 2020

- Manufacture of hydraulic lifts

## Skills & Interests

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### 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