# Haolei Tong

thomasston.github.io

### **EDUCATION**

• TU Darmstadt

Master of Science, Autonomous systems and robotics; GPA: 2.00

Zhejiang University of Science and Technology & FH Westküste

Darmstadt, Germany
Oct. 2022 - Present
Hangzhou, China

### EXPERIENCE

# Simulation, Systemoptimierung und Robotik (SIM), TU Darmstadt

Darmstadt, DE

research assistant

Sep. 2023 - Sep.2024

Oct. 2017 - July. 2021

Email: haolei.tong@stud.tu-darmstadt.de

o Simulation: In a simulation environment (Webots), develop a collision alert feature and implement a crossing timer

# Intelligente Autonome Systeme (IAS), TU Darmstadt

Bachelor of Science, Electrical Engineering and Automation; GPA: 1.9

Darmstadt, DE

research assistant

Oct. 2023 - Mar. 2024

• RA for Robot Learning Course: Responsible for grading assignments and providing clarification to students.

## PROJECTS

- Narrow Passage Controller: Development of a Narrow Passage Detection and Control Algorithm for Autonomous Ground Robots.
- Multi-Robot Pick and Place: Two robotic arms collaborate to complete the object grasping task.

#### Programming Skills

• Languages: Python, C++, C, C Technologies: ROS, Git, Gazebo, Webots