

Raphael Stöckner

2000/03/25 | ✉ raphael.stoeckner@posteo.de | 📞 +49 1573 9129933 | Stockholm, Sweden

References, certificates and documentation are gladly given upon request

EDUCATION

MSc. Systems, Control and Robotics

Aug 2022 - Oct 2024

KTH Royal Institute of Technology, Stockholm

- GPA: 4.56/5.0

BSc. Mechatronics and Information Technology

Oct 2018 – April 2022

Karlsruhe Institute of Technology (KIT)

- GPA: 4.75/5.0

PROFESSIONAL EXPERIENCE

Upcoming: Conference Paper

Planned: Dec 2025

64th IEEE Conference on Decision and Control

- Recovery of spacecraft under multiple thruster failures

Research Engineer

Nov 2024 - present

Decision and Control Systems (DCS) at KTH

- Managing lab infrastructure
- Troubleshooting of hard-/software, lab network

Research Assistant

March 2023 - Dec 2024

Robotics, Perception and Learning (RPL) at KTH

- Software/ROS integration of drone
- Hardware development for project course DD2419 at KTH: Differential drive robot with lidar, stereo camera and robotic arm

Half-Year Internship

April 2021 - Sept 2021

Physik Instrumente (PI), Karlsruhe

- Selection and implementation of Subspace identification algorithms for MIMO systems
- Testing and validation of the developed algorithms

Tutor

Oct 2019 - March 2021

Institute for Engineering Mechanics at KIT

- Tutor for Engineering Mechanics I & II
- Creation of teaching material

SKILLS AND COMPETENCES

Proficient: Python, Matlab/Simulink

Advanced: C++, Maple, Git, ROS

Basics: Java, C#

Languages: German (native speaker), English (C1), Swedish (B2-C1), French (B2)

OTHER ACTIVITIES AND AWARDS

- Treasurer & Secretary in Osqstämman student choir (2023 - 2024)
- Federal voluntary service at the city of Bruchsal, department for social affairs (Sept 2017 – Aug 2018)
- Scout leader at Pfadfinderstamm Greif e.V. Bruchsal (2015 - 2020)
- Abitur: Three awards for excellent overall performance, music and social studies
- 3rd prize on national level (percussion ensemble, 2018) und 3rd prize on national level (mallets solo, 2019) at the music competition "Jugend Musiziert"