Charlie Brown

Cologne, Germany

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Education

RWTH Aachen University

Master of Science in Electrical Engineering and Information Technology

Sep 2023 – Aug 2025 (Expected) | Aachen, Germany

GPA: 1.1/1.0 (German System)

Activities: IEEE Student Branch, Formula Student Team (Electronics)

Relevant Coursework: Digital Signal Processing, Control Systems, Communication Networks, Microelectronics

Thesis: Development of a control algorithm for autonomous vehicles

Work Experience

Research Intern | German Aerospace Center (DLR) | Jun 2024 - Sep 2024 | Cologne, Germany

- Worked on the development and testing of communication systems for satellites.

- Implemented signal processing algorithms in MATLAB and Python.

- Contributed to the design of hardware prototypes.

Skills

Programming: MATLAB, Python, C

Tools: Simulink, LTSpice

Communication Protocols: TCP/IP, UDP

Hardware Description Languages: VHDL

Control Systems Theory

Certificates

Awards

Scholarship from the German National Academic Foundation