

Sara Larsson

Gothenburg, Sweden

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Education

Chalmers University of Technology

Bachelor of Science in Computer Engineering

Aug 2020 – Jun 2023 | Gothenburg, Sweden

GPA: 4.1/5.0

Activities: IEEE Robotics Team, Women in Engineering, Hack for Sweden Volunteer

Relevant Coursework: Control Systems, Embedded Software, IoT, Signal Processing, Mechatronics

Summer School: TU Munich 2022 (GPA: 1.3/1.0 [equiv. 4.0]), Georgia Tech 2023 (GPA: 3.9/4.0)

Work Experience

Embedded Software Engineer | Volvo Cars | Jul 2023 - Present | Gothenburg, Sweden

- Developed real-time control software in C++ for automotive ECUs.
- Integrated CAN bus diagnostics and logging modules.
- Improved firmware update mechanism reducing downtime by 20%.

Skills

Programming: C, C++, Python

Protocols: CAN, LIN, Ethernet

Tools: Git, JIRA, MATLAB/Simulink

Other Skills: Automotive Diagnostics, Real-Time Systems, Firmware Testing

Certificates

Udemy: Automotive Embedded Systems

Coursera: Real-Time Operating Systems

LinkedIn Learning: MATLAB Fundamentals

Awards

Volvo Innovation Award 2023

Chalmers Academic Scholarship

Swedish Automotive Hackathon Winner