

OLIVER ODHE

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EDUCATION

Chalmers University of Technology <i>M.Eng., Computer Science and Engineering</i> <i>Exchange Semester at The University of Tokyo</i>	Gothenburg, Sweden Aug. 2022 - Jun. 2027 (Expected) Oct. 2025 – Mar. 2026
University of Gothenburg <i>B.Sc., Business and Economics</i>	Gothenburg, Sweden Aug. 2024 - Jun. 2026 (Expected)

EXPERIENCE

The University of Tokyo <i>Visiting Graduate Researcher · Part-time Internship · Hybrid</i>	Tokyo, Japan Oct. 2025 - Present
<ul style="list-style-type: none">Conducting research in intelligent systems, applying system dynamics and machine learning to model and evaluate the economic implications of low-emission transport policies.Supporting stakeholders in the design of low-emission transport policies by providing data-driven insights and simulation-based evaluations, contributing to decarbonization strategies for achieving emission targets.	
Finwire <i>Junior Developer · Part-time · Hybrid</i>	Gothenburg, Sweden Jun. 2025 - Present
<ul style="list-style-type: none">Engineered RESTful APIs and supporting library functions in Python (FastAPI) to support MFA authentication and user management, contributing to the modernization of legacy PHP/MySQL infrastructure.Developed user interfaces for AI moderation and an interactive pipeline editor in Svelte, that integrates with a MySQL metadata database to streamline automated content generation workflows.	
SF Marina System <i>Software Developer (Consultant) · Part-time · Hybrid</i>	Gothenburg, Sweden Aug. 2024 – Jun. 2025
<ul style="list-style-type: none">Built an internal platform with Django and PostgreSQL to centralize marine engineering project creation and integrate legacy numerical models into a secure, user-friendly interface.Eliminated manual calculations for routine projects and adopted by 50+ non-technical affiliates, reducing offer-generation time from days to hours by allowing sales representatives to independently run engineering simulations and generate client proposals.	
Chalmers University of Technology <i>Teaching Assistant · Part-time · On-site</i>	Gothenburg, Sweden Aug. 2023 - May 2024
<ul style="list-style-type: none">Assisted in teaching multiple introductory programming courses (Haskell, Java, C, Assembly), supporting lab sessions, debugging, and grading for 100+ students.	
ITW Welding <i>Summer Intern · Full-time Internship · On-site</i>	Gothenburg, Sweden Jun. 2023 - Sep. 2023
<ul style="list-style-type: none">Developed Python-based tools for visualization and analysis of welding process data, supporting the R&D department in evaluating material performance.	

PROJECTS

- EcoDev** (*Flask, Raspberry Pi, Bootstrap, Chart.js, Bash*) — Developed a web application for monitoring of software energy consumption on microcomputers, providing visual insights into the environmental footprint of running processes.
- FinSight** (*FastAPI, PostgreSQL, Docker, SvelteKit, Tailwind CSS*) — Built a full-stack investment management platform featuring real-time financial data integration, automated risk metrics, and secure user authentication.
- Kursvalshjalp** (*FastAPI, React, MySQL, Docker, Nginx*) — Created a full-stack course evaluation platform, enabling Chalmers students to search courses, view aggregated feedback statistics, and submit reviews.

SKILLS

Programming Languages: Python, Java, JavaScript, SQL
Web Technologies: Django, FastAPI, Flask, Svelte, HTML5, CSS3
Databases: PostgreSQL, MySQL, SQLite
DevOps & Tools: Microsoft Azure, GitHub Actions, Docker, Linux, Jupyter
Workflow: Git, Agile Software Development