

OLIVER ODHE

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EDUCATION

Chalmers University of Technology

M.Eng., Computer Science and Engineering
Exchange Semester at The University of Tokyo

Gothenburg, Sweden

Aug. 2022 - Jun. 2027 (Expected)
Oct. 2025 – Mar. 2026

University of Gothenburg

B.Sc., Business and Economics

Gothenburg, Sweden

Aug. 2024 - Jun. 2026 (Expected)

EXPERIENCE

The University of Tokyo

Visiting Graduate Researcher · Part-time Internship · Hybrid

Tokyo, Japan

Oct. 2025 - Present

- 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

Junior Developer · Part-time · Hybrid

Gothenburg, Sweden

Jun. 2025 - Present

- 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

Software Developer (Consultant) · Part-time · Hybrid

Gothenburg, Sweden

Aug. 2024 – Jun. 2025

- 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

Teaching Assistant · Part-time · On-site

Gothenburg, Sweden

Aug. 2023 - May 2024

- Assisted in teaching multiple introductory programming courses (Haskell, Java, C, Assembly), supporting lab sessions, debugging, and grading for 100+ students.

ITW Welding

Summer Intern · Full-time Internship · On-site

Gothenburg, Sweden

Jun. 2023 - Sep. 2023

- 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.

RetinaAI (*Python, TensorFlow, Keras, Qt5*) — Created a machine learning application using CNNs for automatic classification of retinal OCT images, achieving reliable diagnostic predictions through an interactive desktop interface.

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