

# Alex Mecklin

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alexmecklin.com

## Education

### Aalto University

Master of Science

Sep 2024 – Present

Espoo

- **Major:** Computer Science
- **Credits:** 55/120 (22th Sep 2025)
- **Relevant Coursework:** Web Software Development (JavaScript, HTML), Designing and Building Scalable Web Applications (JavaScript, HTML), Machine Learning (Python), Deep Learning (Python), Programming Parallel Computers (C++), Data Structures and Algorithms (Scala), Databases (SQL, UML), Software Architectures

### Aalto University

Bachelor of Science

Sep 2021 – May 2024

Espoo

- **Major:** Automation and Robotics
- **Minor:** Computer Science
- **Thesis:** Explainability for Autonomous Driving, grade 5/5

### National University of Singapore

Exchange studies

Aug – Dec 2023

Singapore

- Completed coursework in Computer Science and Economics

## Experience

### Software Engineer, Trainee

KONE

May 2025 – Present

Espoo

- Full-time during summer, part-time from autumn
- Developed automated tests for web applications using Python, Robot Framework, Selenium and Playwright
- Used AWS to interact with cloud-hosted systems and manage data storage
- Implemented CI/CD pipelines in GitLab using Docker to automate development, testing and deployment processes
- Performed manual testing to identify complex bugs and edge cases

### Software Engineer, Trainee

Danfoss Drives

May – Aug 2024

Vaasa

- Full-time summer internship
- Developed automated tests for embedded systems using Python and Robot Framework
- Software development for embedded systems using C
- Developed Python scripts to boost efficiency and automate repetitive tasks in the development process

### Engine Automation Trainee

Wärtsilä

May – Aug 2022, Jan – Aug 2023

Vaasa

- Worked full-time during the summers and part-time during the spring 2023
- Conducted investigations on returned automation parts from field installations
- Performed maintenance on engine simulation rig
- Handled customer deliveries of engine automation software tools

### Teaching Assistant

Aalto University

Sep – Dec 2022

Espoo

- Worked part-time as a teaching assistant in a basics in Python programming course
- Assisted students with their homework
- Graded home assignments

## Technical Skills

**Languages:** Python, JavaScript, Scala, C/C++, Java, SQL, HTML, Matlab (+Simulink)

**Technologies:** Robot Framework, AWS, Docker, Selenium, Playwright, Git, Shell Scripting, UML, PLC Programming

**Libraries & Tools:** Pandas, NumPy, Scikit-learn, PyTorch, Matplotlib

**Concepts:** Web Development, Test Automation, Embedded Systems, Machine Learning, AI, CI/CD, Agile Development

## Languages

Swedish – Native

Finnish – Fluent

English – Fluent