Alex Mecklin

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Education

Aalto University   Sep 2024 – Present
Master of Science   *Espoo*
- **Major:** Computer Science
- **Credits:** 55/120 (9th July 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   Sep 2021 – May 2024
Bachelor of Science   *Espoo*
- **Major:** Automation and Robotics
- **Minor:** Computer Science
- **Thesis:** Explainability for Autonomous Driving, grade 5/5

National University of Singapore   Aug – Dec 2023
Exchange studies   *Singapore*
- Completed coursework in Computer Science and Economics

Experience

Test Automation Engineer, Trainee   May 2025 – Present
KONE   *Espoo*
- Full-time summer internship
- Developed automated tests for web applications using Python, Robot Framework and Selenium
- Used AWS to interact with cloud-hosted systems and manage data storage
- Performed manual testing to identify complex bugs and edge cases
- Collaborated closely with developers to understand new features and design effective test cases

Software Engineer, Trainee   May – Aug 2024
Danfoss Drives   *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   May – Aug 2022, Jan – Aug 2023
Wärtsilä   *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   Sep – Dec 2022
Aalto University   *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, Selenium, Git, Shell Scripting, UML, PLC Programming
Libraries & Tools: Pandas, NumPy, Scikit-learn, PyTorch
Concepts: Web Development, Test Automation, Embedded Systems, Machine Learning, AI, CI/CD, Agile Development

Languages

Swedish – Native   **Finnish** – Fluent   **English** – Fluent