

Alex Mecklin

+358 442046661 alex.mecklin@hotmail.com linkedin.com/in/alex-mecklin github.com/alex20m

Education

Aalto University

Sep 2024 – Present

Master of Science

Espoo

- **Major:** Computer Science
- **Cumulative GPA:** 4.0/5.0
- **Credits:** 26/120 (15th January 2025)
- **Relevant Coursework:** Machine Learning (Python), Deep Learning (Python), Web Software Development (JavaScript, HTML), Introduction to Artificial Intelligence, Artificial Intelligence (Python)

Aalto University

Sep 2021 – May 2024

Bachelor of Science

Espoo

- **Major:** Automation and Robotics
- **Minor:** Computer Science
- **Cumulative GPA:** 4.12/5.0
- **Thesis:** Explainability for Autonomous Driving, grade 5/5
- **Relevant Coursework:** Basics in Programming 1 and 2 (Python, UML, Git), Programming 1 and 2 (Scala, Assembly), Data Structures and Algorithms (Scala), Basics in C programming (C), Automation Systems 1 and 2 (PLC Programming, Java, HTML), Databases (SQL, UML), Mathematical Softwares (Matlab, Simulink)

National University of Singapore

Aug – Dec 2023

Exchange studies

Singapore

- Completed coursework in Computer Science and Economics

Experience

Software Engineer, Trainee

May – Aug 2024

Danfoss Drives

Vaasa

- Full-time summer internship
- Developed automated tests using Python and Robot Framework to validate firmware functionality
- Implemented and improved functionalities for embedded systems, primarily using C
- Developed scripts to boost efficiency and automate repetitive tasks in the development process
- Utilized Azure DevOps to streamline firmware development and testing processes, used Git for version control and Scrum, Agile and CI/CD practices for improved efficiency
- Collaborated with cross-functional teams to troubleshoot and resolve firmware issues

Engine Automation Trainee

May – Aug 2022, Jan – Aug 2023

Wärtsilä

Vaasa

- Worked full-time during the summers and part-time during the spring 2023
- Managed and improved databases
- 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, Scala, C, Java, JavaScript, SQL, HTML, Matlab (+Simulink)

Technologies: Robot Framework, Git, Shell Scripting, UML, Azure DevOps, PLC Programming

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

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

Languages

Swedish – Native

Finnish – Fluent

English – Fluent