

Alex Mecklin



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Education

Aalto University

M.Sc. in Computer Science

Sep 2024 – Present

Espoo, Finland

- **Study Track:** Big Data and Large Scale Computing
- **Master's Thesis:** Design and Evaluation of the Model Context Protocol for AI Agent Tool Integration

Aalto University

B.Sc. in Automation and Robotics

Sep 2021 – May 2024

Espoo, Finland

- **Minor:** Computer Science
- **Bachelor's Thesis:** Explainability for Autonomous Driving, grade 5/5

National University of Singapore

Exchange studies

Aug 2023 – Dec 2023

Singapore

- Completed coursework in Computer Science and Economics

Experience

AI & Cloud Developer Intern

KONE

Jun 2026 – Present

Espoo, Finland

- Building and deploying AI agents on AWS AgentCore as part of an internal agentic AI platform
- Developing full stack features across the platform using TypeScript and React

Master's Thesis Worker

KONE

Jan 2026 – May 2026

Espoo, Finland

- Developed agentic AI systems as part of my Master's thesis
- Designed and built AI agents and supporting infrastructure on AWS
- Integrated MCP servers to enable communication between AI agents and internal systems

Software Engineer Intern

KONE

May 2025 – Dec 2025

Espoo, Finland

- Created automated tests for web applications using Python, Robot Framework, Selenium and Playwright
- Designed and implemented CI/CD pipelines and supporting infrastructure using Docker and YAML to automate development, testing, and deployment processes
- Developed backend services using Python for an internal platform, leveraging AWS Lambda and DynamoDB
- Used AWS to interact with cloud-hosted systems and manage data storage

Software Engineer Intern

Danfoss Drives

May 2024 – Aug 2024

Vaasa, Finland

- Developed automated tests for embedded systems using Python and Robot Framework
- Software development for embedded systems using C
- Built Python scripts to automate repetitive tasks in the development process

Automation Engineer Intern

Wärtsilä

May 2022 – Aug 2023

Vaasa, Finland

- Conducted investigations on returned automation parts from field installations
- Handled customer deliveries of engine automation software tools

Technical Skills

Languages: Python, TypeScript, JavaScript, C/C++, SQL, Scala, HTML

Cloud & DevOps: AWS, Google Cloud, Docker, CI/CD, Git, GitHub, Shell Scripting, YAML

Frameworks & Libraries: React, Next.js, Node.js, PyTorch, Scikit-learn, Pandas, NumPy, Matplotlib

AI, Data & Machine Learning: Agentic AI, MCP, LLMs

Databases: PostgreSQL, DynamoDB, SQLite

Testing & Automation: Robot Framework, Selenium, Playwright

Languages

Swedish – Native

English – Fluent

Finnish – Fluent