

Otso Aksela

Aspiring Machine Learning Engineer

I am independent and persistent in face of challenges and approach problems with an analytical and solution-oriented mindset. I have a solid foundation in a variety of technologies and a strong desire and ability to learn as well as to apply my skills.



SKILLS

Technologies: AWS • Git • Microsoft Exchange Admin Center • Microsoft Office • Pytorch • SQL • SSH • FastAPI

Programming languages: JavaScript • C • C++ • PHP • Python • R • Scala

Other: Artificial Intelligence • Analytical and Collaborative Problem Solving • Communication and teamwork • Customer Service and Interaction • Data Structures • Data Analysis • Front-End Development • Large Language Models • Machine Learning • Scrum • Software Development

Amazon Web Services Cloud Practitioner, Valid 9/2022 - 9/2025, Credential ID: ZH81K8F2YEF1QDSE



EDUCATION

Aalto University - Masters Student in ML, Data science and AI 9/2024 - 5/2026

Minor in Security and Cloud Computing.

Aalto University - Bachelor's degree in Information Technology 9/2022 - 1/2025

Minors in Computer Science and Industrial Engineering and Management. Graduating with honours.

Etelä-Tapiola High School - IB diploma 8/2018 - 6/2021

EXPERIENCE

Web developer, Bearint Oy 6/2021 - Present

Running my own company incl. finances, customer interaction and marketing. Created websites for a large variety of clients such as associations, individuals and companies. FiSTT's chair Pertti Leppänen can act as a reference for the quality of work in website creation, graphic design and IT support.

Station employee, Jorvas Sorting Station (HSY) 5/2021 - 6/2021, 6/2022 - 8/2022

Duties included customer service, billing, general maintenance over two employment periods.

Sole trade entrepreneur, Akso 1/2018 - 1/2020

Founded with my brother and 4h, we did gardening and held a club at Kauniala's old people's home.

Summer employee / Gardener's assistant, Gardening store Reiman 6/2017 - 6/2017

Received an offer and continued in a summer job after on-the-job learning.

PROJECTS

Bachelor's Thesis (Python) - Query Expansion and Prompting Options for Large Language Models when interpreting news flow, completed in collaboration with Outokumpu Oy; Grade: 5/5. My advisors, Janne Sinkkonen from Outokumpu and Lauri Juvela from Aalto, can act as references for my work.

ThreadBank (C) - run a rudimentary bank utilising modular thread allocation and socket based IPC.

Predicting Diabetes (Python) - predicting diabetes from predictors using a decision tree and logistic regression with SciKit implementations, 0.03 error with no false negatives reached.

Morse code (C) - transmit morse code from child process to parent using signals with text in/output.

See [my github](#) for more projects.

LANGUAGES

Finnish (Native), English (Full professional proficiency), Swedish (Basics), German (Basics)

OTHER

- Treasurer, Board Member of Data Guild in 2025
- Treasurer, Board Member and coach at OFC-student association in 2024 and 2025