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Linus Jern

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Education

Espoo, Finland

Aalto University

Fall 2023 – Spring 2025

- M.Sc in Computer Science.
- Coursework: Principles of Algorithmic Techniques, Reinforcement Learning, Declarative Programming.

Espoo, Finland

Aalto University

Fall 2020 – Spring 2023

- B.Sc in Computer Science, Deans list. GPA: 4.79/5.00.
- Coursework: Programming Parallel Computers; Operating Systems; Databases; Data Structures and Algorithms.
- Bachelor's thesis on distributed consensus algorithms.

Helsinki, Finland

Hanken School Of Economics

Spring 2021 – Fall 2022

- Minor Studies, Finance.
- Coursework: Finance and Investments; Capital Budgeting; Pricing of Financial Securities and Derivatives.

Employment

Software Engineer, Intern

Smartly, Helsinki

May 2023 – Present

- Worked on cross-platform ad-tech optimization infrastructure supporting: campaign budget allocation, revenue estimation using bayesian modelling, and ad rotation.
- Improved reliability of cross-platform action router by optimizing the RabbitMQ queue.

Software Engineer

Droppe, Helsinki

September 2022 – May 2023

- Designed and built Droppe's data analytics platform using Fivetran, BigQuery and dbt.
- Contributed to the backend. Built CI/CD, translation batch jobs, improved logging etc.

Software Engineer, Intern

Microsoft, Tromsø

June 2022 – August 2022

- Converted an in-memory property graph engine to work across distributed memory, enabling horizontal scalability.
- Planned and led the project. On-boarded 3 other interns to the project.

Product Management, Trainee

Nokia, Espoo

May 2021 – September 2021

- Visualization and combination of massive data from several business-critical data sources.
- Creating data pipelines for analytical data, using Python, Azure, M-Query.

Project Assistant

Bitville, Espoo

July 2020 – December 2020

- Automated a data migration process for a major client (in Python) and saved hundreds of hours of manual work.

Teaching Assistant

Aalto University

September 2021 – December 2022

- Courses: Data Structures and Algorithms, Programming I & II, Programming Studio 1.
- Held exercise sessions and gave personal feedback to students.

Languages and Technologies

- Python; Scala; C#; C++; Javascript; Typescript; React; Node; Flask; .NET; SQL; HTML; CSS; Linux; Git; GraphQL; MongoDB; Docker, PostgreSQL, RabbitMQ, Kubernetes, dbt.
- Languages: Swedish (native), English (Fluent), Finnish (Fluent), Spanish (Basics)

Additional Experience

National Team - Road cycling

2017 - 2018

- Competed in international races (Belgium, France, South Korea...) with the Finnish Junior Road Cycling National Team 2017 - 2018.

Chairman of the Student Council

Finnish Naval Academy

2019 - 2020

- Organized and managed a fundraising campaign, raising 50000€ in 2 months. Arranged the Reserve Officer School Ball as well as other events for the students. Was the second-highest-scoring student at the course.