

linkedin.com/in/linus-jern
github.com/LinuzJ
linusjern.com

Linus Jern

Helsinki, Finland
linusjern00@gmail.com
+358 40 483 9919

Education

Espoo, Finland **Aalto University** **Fall 2023 – Spring 2025**

- M.Sc in Computer Science. Minor in Machine Learning, Data Science and Artificial Intelligence.
- 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.

Singapore, Singapore **Nanyang Technological University** **Spring 2024 – Spring 2024**

- Exchange Studies.
- Studies in Deep Learning and Philosophy.

Employment

Software Engineer, Intern **Smartly, Helsinki** **May 2023 – Nov 2023**

- 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.

Winner of Main Prize **BCG Platinion Hackathon** **2023**

- In under 30 hours, my team built a smart travel planner that leveraged LLMs to generate unique travel plans while using our own emission and cost estimation algorithms.