

Olle Oltorp

M.Sc. Machine Learning
Industrial Engineering and Management, KTH

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Education

M.Sc. Industrial Engineering and Management (Machine Learning) 2025–2027 (expected)
KTH Royal Institute of Technology Stockholm

- Grade: 4.70 / 5.00.

B.Sc. Industrial Engineering and Management (Computer Engineering) 2022–2025
KTH Stockholm

Thesis: [Design and Evaluation of Recommendation Systems for Newsletters ↗](#) Industry partner: Swedish media company

- Implemented the collaborative filtering system: a cross-domain latent factor model over a joint article-newsletter matrix, transferring implicit article read-time signal to predict newsletter engagement.
- Worked directly with the client, a Swedish media company, scoping what their data could actually support and assessing whether their article personalisation was worth extending to newsletters.

Upper Secondary (Natural Science Programme) 2019–2022
ProCivitas Privata Gymnasium Karlberg Stockholm

- Grade: 21.56 / 22.5.

Experience

Research Assistant Apr–Aug 2026
KTH, Dept. of Industrial Economics and Management Stockholm

AI adoption ([WASP-HS ↗](#))

- Reviewed and coded 33 empirical studies of organisations adopting AI into a common framework, synthesising the recurring barriers to adoption and how firms addressed them.

Sustainable food ([Digital Futures ↗](#))

- Ran the spend analysis end to end, turning a year of KTH's SEK 11.3M catering data into the university's first measurement of how far its own sustainability standard had actually reached.
- Identified key stakeholders, designed the interview guide, conducted the interviews and sole-authored the report, which set out why uptake had stalled and what would change it.

Admissions Data Assistant Feb–Mar 2026
KTH, Dept. of Industrial Economics and Management Stockholm

- Cleaned and validated confidential applicant data for KTH's international master's admissions round, recalculating grade averages and verifying university rankings.

Property Maintenance Worker 2022–2025
SKB (Stockholms Kooperativa Bostadsförening) Stockholm

- Re-hired four consecutive summers.

Upcoming

Teaching Assistant 2026–2027
KTH, School of Electrical Engineering and Computer Science Stockholm

- Appointed teaching assistant for two second-cycle courses: [Search Engines and Information Retrieval Systems ↗](#) (2026) and [Language Engineering ↗](#) (2027).

Projects

The Diamond Index ↗ 2026– · Live

- A discovery layer over a digital asset marketplace that cannot be sorted by the attribute that determines value: aggregates the community grading standards defining rarity and screens every live listing against them.

Workout Tracker ↗ 2026– · Live

- Phone-first workout logger and training analysis. Originally built for personal use, since developed into a product with user accounts and subscription billing.

Across both projects

- Sole developer on both, end to end: product and interface design, frontend, backend, data layer, containerised deployment, DNS and the ops that keep them running.
- Both developed under a self designed multi-agent development framework: work routed across models by cost and capability, with per-role scoping, token budgets and a mandatory independent review pass on every change.

Skills

Programming	Python, Java, SQL
Libraries & tools	PyTorch, Scikit-learn, Pandas, Polars, Git, Docker, Excel, PowerPoint
AI workflows	Multi-agent workflow design, model-role delegation (coordinator, implementer, reviewer), precise task decomposition, token and cost optimisation
Recommenders	Collaborative filtering, content-based and hybrid systems, matrix factorisation, implicit feedback, indexing and ranking
Deep learning	Neural networks and deep architectures, language models and embeddings
Classical ML	Regularised regression, tree ensembles, support vector machines, hidden Markov models
Research	Data preparation, semi-structured interviewing, qualitative coding and thematic analysis
Business	Corporate finance, management control, operations strategy, technology shifts and innovation
Spoken	Swedish (native), English (fluent)