Vebjørn Haugland

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EDUCATION

NTNU - Norwegian University of Science and Technology — Trondheim, Norway
Computer Science Master's Degree (MTDT), specialization in AI. GPA: 4.1 / 5.0 — *Aug. 2021 – Jun. 2026*

MIT - Massachusetts Institute of Technology — Cambridge, MA, USA
Exchange year (4th year). Algorithms and Theoretical ML. GPA: 4.5 / 5.0 — *Sep. 2024 – May. 2025*
- Awarded the Fulbright Scholarship for studies at MIT.

ETH - Eidgenössische Technische Hochschule Zürich — Zürich, Switzerland
Exchange year (3rd year). Probabilistic AI, ML, and Big Data. GPA: 4.8 / 6.0 — *Sep. 2023 – Aug. 2024*

PROJECTS & ACHIEVEMENTS

Uncertainty-aware Object Detection with DNV — NTNU, 2025–2026
Master's Thesis
- Building an uncertainty-aware object detector trained on DNV datasets.

Snowpole Object Detection Challenge — NTNU, Fall 2025
TDT17 - Visual Intelligence, NTNU
- Ranked **1st place on the leaderboard**.

DETR from scratch — Fall 2025
YouTube Project
- Coded the popular DEtection TRansformer architecture by Facebook AI Research (FAIR) from scratch and made a YouTube video of it.

Smile Detection project — MIT, Spring 2025
Final Project, 18.0651 Matrix Methods
- Built an InceptionV3-based classifier on CelebA dataset. Received score of 100/100 and Grade A.

SKILLS

NN Architectures: Transformers, CNNs, DETRs, YOLOs
ML Frameworks: PyTorch, Scikit-learn, Wandb, NumPy, Pandas
Misc: Python, Java, SQL, Git

EXPERIENCE

DNV — Oslo, Norway
Summer Internship — *Jun. 2025 - Aug. 2025*
- Combined mathematical optimization and Monte Carlo sampling to predict ship operating costs.

NTNU — Trondheim, Norway
Learning Assistant
- TDT4120 - Algorithms and Data Structures, Fall '25
- TDT4100 - Object-Oriented Programming in Java, Spring '23

Haugesund Municipality — Haugesund, Norway
Summer Internship — *Jun. 2023 - Aug. 2023*
- Developed property tax analysis software using Java, PostgreSQL, and Microsoft Azure.

NTNUI Sprint — Trondheim, Norway
Back-end Developer (Volunteer) — *Sep. 2022 - Jun. 2023*

Norsk Helsenett SF — Trondheim, Norway
Summer Internship - System Developer — *Jun. 2022 - Aug. 2022*

The Royal Norwegian Navy — Norway
Guard Commander (Military Service) — *Jul. 2020 - Jul. 2021*