Vilhjalmur A. Vilhjalmsson

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Education

Norwegian University of Science and Technology (NTNU) *Aug 2021 - Jul 2026*
M.Sc Computer Science Trondheim, Norway
M.Sc Applied Mathematics & Physics

Work Experience

Summer Intern - Software Engineer (Incoming) *Jun 2025 – Sep 2025*
Microsoft Corporation Trondheim, Norway
- Software Engineer Intern within Experience and Devices (E + D)

Part time/summer intern - Technical officer/Co-founder *Mar 2024 – Present*
A* Consulting Trondheim, Norway
- Product manager for contract with major Norwegian construction company
- Secured 3 paying customers within the first month of starting

Part time/summer intern - AI Research Assistant *Jul 2023 - Present*
NorwAI - Norwegian Research Center for AI Innovation Trondheim, Norway
- Assisted in research, planning and writing a paper with PhD student, on anomaly detection using AI
- Optimized pipeline for processing of dataset, reducing processing time from over 1hr to less than 30s
- Developed a full stack website for searching the NorGPT dataset with OpenSearch, Next.js and React

Part time - Software Engineer *Feb 2022 – Mar 2024*
Favn Software Trondheim, Norway
- Implemented a scalable pipeline for internally generated data into Google Cloud
- Added CSRF protection with tokens for admin sites, making the application more secure against hackers
- Assisted in planning and writing proposals, resulting in over $125K in research grants and consulting contracts

Extracurricular Activity

Chief Investment Officer *Oct 2023 - Present*
Høiskolens Chemikerforening (HC) Trondheim, Norway
- Founded and managed endowment with an original value of more than $20K

Project lead *Feb 2022 – Present*
Cogito NTNU - Biggest AI student organisation in Norway Trondheim, Norway
- Partnership with St.Olav hospital - Achieved 92% accuracy for pneumonia detection in medical imagery
- Conducted workshops and led a group of 4-5 students each semester

Key Account Manager *Aug 2021 - Aug 2022*
Propulse NTNU (Student Rocketry Team) Trondheim, Norway
- Wrote applications for funds, resulting in $3K in University grants
- Secured partnership with major Norwegian (TESS) and international electronics retailers

Honors and awards

2nd place | Hackathon by ABB Group and NTNU IE-faculty	*Feb 2024*
Finalist | HackMIT 2023	*Sep 2023*
3rd place | Hackathon with NASA JPL, hosted by Start NTNU	*Feb 2022*
3rd Prize | Chinese Bridge Competition Norway	*May 2020*
2nd Prize | Chinese Bridge Competition Norway	*May 2019*

Skills

Languages: Python, C/C++, Go, SQL, JAVA, Swift
Frameworks: Tensorflow, PyTorch, Next.JS, Pandas, Opensearch, Firebase, LangChain, LangGraph
Cloud Tools: Azure, Google Cloud Platform