Vilhjalmur A. Vilhjalmsson

YMS visa eligible in the UK · villiarnar1@gmail.com · LinkedIn · GitHub · Website

Education

Norwegian University of Science and Technology (NTNU) *Aug 2021 - Jul 2027*
M.Sc Computer Science and M.Sc Applied Mathematics & Physics

Tsinghua University *Sep 2025 - Jul 2026*
Institute of Interdisciplinary Information Sciences (Yao Class), AI, Statistics and Quantum

Work Experience

Norges Bank Investment Management *Jun 2026 – Aug 2026*
Applied AI Engineer - Summer Intern

- Deployed an AI agent explaining NAV deviations, saving analysts an estimated 30–40 minutes daily
- Built an evaluation loop comparing agent explanations with analyst outputs to identify improvements
- Developed custom tools and integrations (MCP) connecting the agent to Snowflake and internal data sources

Microsoft *Jun 2025 – Sep 2025*
Software Engineer - Summer Intern

- Developed a server for collecting and processing telemetry from Geneva Monitoring within M365 Core
- Built a parser that normalized incoming logs and metrics into a consistent schema for dashboard ingestion
- Implemented an OpenTelemetry pipeline to export telemetry to dashboards for real-time visibility and analysis

A* Consulting *Mar 2024 – Dec 2024*
Co-Founder & Technical Lead

- Led delivery of a contract for a major Norwegian construction company valued at $10K+
- Developed a RAG-based system using LangChain and LangGraph to enable interaction with enterprise data
- Grew company from 0 to 4+ employees and $30K+ in revenue within the first year of operation

NorwAI - Norwegian Research Center for AI Innovation *Jul 2023 – Jan 2025*
AI Research Assistant - Part Time & Summer Intern

- Optimized a language-classification pipeline, reducing processing time from 1h+ to under 30 seconds
- Conducted experiments for anomaly detection methods on Norway's largest academic computing cluster
- Developed a full stack website for searching the NorGPT dataset with OpenSearch, Next.js and React

Favn Software *Feb 2022 – Jul 2023*
Software Engineer - Part Time & Summer Intern

- Implemented a scalable pipeline for internally generated data into Google Cloud, for operational monitoring
- Assisted in planning and writing proposals, resulting in over $125K in research grants and consulting contracts

Extracurricular Activity

Chief Investment Officer *Oct 2023 – Sep 2025*
Høiskolens Chemikerforening (HC)

- Founded and managed endowment with an original value of more than $20K
- Recruited and led a new subgroup within a larger student organization for management of endowment

Project Lead *Feb 2022 – Jun 2024*
Cogito NTNU - Biggest AI student organisation in Norway

- Conducted workshops and led a group of 4–5 students each semester for different AI projects
- Partnership with St.Olav hospital - Achieved 92% accuracy for pneumonia detection in medical imagery
- Founded hackathon team, which competed at HackMIT and PennApps in the US

Skills

Languages: Python, C/C++, C#, Go, SQL, JavaScript, TypeScript, Swift
Frameworks: TensorFlow, PyTorch, Next.js, pandas, OpenSearch, Firebase, LangChain, LangGraph, Braintrust
Cloud & AI: Azure, Google Cloud Platform, AWS, OpenAI, Anthropic, Gemini, Snowflake
Honors/Awards: NORAM Scholarship ($20K); Jane Street trading camp; HackMIT finalist; JPL hackathon 3rd
Interests: Football, Climbing, Formula 1, Running, Poker, Stocks