

VILHJALMUR A. VILHJALMSSON

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EDUCATION

Tsinghua University Theoretical Computer Science (part of Exchange)	<i>Sep 2025 - Jun 2026</i> Beijing, China
Norwegian University of Science and Technology (NTNU) M.Sc Computer Science and M.Sc Applied Mathematics & Physics	<i>Aug 2021 - Jul 2027</i> Trondheim, Norway

WORK EXPERIENCE

Microsoft Software Engineer - Summer Intern	<i>Jun 2025 – Sep 2025</i> Trondheim, Norway
- Developed a server for collection and processing of traces from Geneva Monitoring within M365 Core - Implemented an OpenTelemetry pipeline to export telemetry to dashboards, for real-time visibility and analysis.	
A* Consulting Technical officer/Co-founder	<i>Mar 2024 – Des 2024</i> Trondheim, Norway
- Product manager for contract with major Norwegian construction company - Secured 3 paying customers within the first month of starting	
NorwAI - Norwegian Research Center for AI Innovation AI Research Assistant - Part time/summer intern	<i>Jul 2023 - Present</i> Trondheim, Norway
- Assisted in research, planning and academic writing with PhD student, on anomaly detection using AI - Optimized pipeline for processing of dataset, reducing processing time from over 1hr to less than 30s	
Favn Software Software Engineer - Part time	<i>Feb 2022 – Mar 2024</i> Trondheim, Norway
- Implemented a scalable pipeline for internally generated data into Google Cloud - Assisted in planning and writing proposals, resulting in over \$125K in research grants and consulting contracts	

EXTRACURRICULAR ACTIVITY

Chief Investment Officer Høiskolens Chemikerforening (HC)	<i>Oct 2023 - Present</i> Trondheim, Norway
Founded and managed endowment with an original value of more than \$20K	
Project lead Cogito NTNU - Biggest AI student organisation in Norway	<i>Feb 2022 – Present</i> 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 Propulse NTNU (Student Rocketry Team)	<i>Aug 2021 - Aug 2022</i> 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	<i>Feb 2024</i>
Finalist HackMIT 2023	<i>Sep 2023</i>
3rd place Hackathon with NASA JPL, hosted by Start NTNU	<i>Feb 2022</i>
3rd Prize Chinese Bridge Competition Norway	<i>May 2020</i>

SKILLS

Languages: Python, C/C++, C#, Go, SQL, JAVA

Frameworks: Tensorflow, PyTorch, Next.JS, Pandas, Opensearch, Firebase, LangChain, LangGraph

Cloud Tools: Azure, Google Cloud Platform