Herman Nysted Nygaard

Shanghai, China · +86 186 2139 2073 · herman.nysted@gmail.com · LinkedIn

Work Experience

OsloMet – Teaching Assistant, Operating Systems Jan. 2026 – Jun. 2026

- Facilitated weekly Operating Systems laboratories, mentored students on complex concepts, and provided step-by-step guidance through practical assignments.
- Evaluated student performance and provided constructive feedback on required Operating Systems assignments.

Verisure – Customer Service Representative Oct. 2022 – Aug. 2026

- Provided end-to-end support for alarm system installations, including resolving technical challenges and ensuring the successful operation of all hardware components.

His Majesty The King's Guard – Guardsman Oct. 2021 – Oct. 2022

- Worked with a squad on rotating guard duties at strategic points of interest (the Royal Palace and Huseby military camp) during Norwegian military service.
- Practiced drills, completed multi-week field exercises, and performed ceremonial duties at the opening of Norway's Parliament.

Selected Technical Projects

AI-Assisted Threat Intelligence Using Model Context Protocol *Completed Jun. 2026*
Bachelor's thesis in collaboration with Telenor and Storebrand
Stack: Python, FastAPI, React, TypeScript, MCP, LLM APIs

- Built the analysis stage of an AI-assisted system that uses language models to process collected threat intelligence.
- Integrated support for switching between AI models within the application's workflow.
- Designed the entire frontend and co-developed the backend, including AI and MCP integrations.
- Coordinated with industry partners to discuss requirements and align project development with their needs.

Interactive Web App (After the Jump) *Autumn 2025*
Stack: React, JavaScript, ASP.NET Core, Entity Framework Core, SQLite

- Coordinated team development and sign-in integration.
- Built the React frontend, created game graphics, and integrated minigames into story scenes.
- Modelled branching scenes, dialogue, and choices in JSON seed data for SQLite.
- Helped define API responses for scenes and choices and restore saved scenes and player health.

Education

Fudan University Shanghai, China
Master's Degree in Electronic Information (Artificial Intelligence) Sep. 2026 – Jul. 2029 (expected)

- English-taught programme with a full scholarship.

OsloMet – Oslo Metropolitan University Oslo, Norway
Bachelor's Degree in Applied Computer Technology 2023 – Jun. 2026

- Programming specialisation.

Technical Skills

Languages: Python, TypeScript, JavaScript, SQL, Java, C#
Backend and Data: FastAPI, ASP.NET Core, Entity Framework Core, SQLite, REST APIs
Frontend and Tools: React, Node.js, Git, Docker, Linux
AI: Model Context Protocol (MCP), LLM integration, AI-assisted analysis

Languages

Norwegian: Native · **English:** Fluent · **Chinese:** Beginner