

David Duc-Trung Nguyen

Oslo, Norway | dkdanid@outlook.com | +47 412 87 244 | [Website](#) | [LinkedIn](#) | [Github](#)

Projects

Data analysis program for finance [[Github](#)] Mar 2025 - Present

- Collaborating with a trader to build a program for analysis for data-driven trading
- Developing API and backend in Python using the FastAPI framework and libraries such as numpy and pandas for data-analysis. Deployed to AWS in Docker container. Frontend deployed to AWS with Apache Server.

Jet Engine Controll and Monitoring System Feb 2025 - Mar 2025

- Worked in a team of 7 to develop a system for controlling and monitoring a KingTech K180 G5 jet engine as a part of the Mechatronics(IN1080) course at the university
- Wrote the code for the engine controll unit in C++ for controlling the engine with PWM

Book social cataloging application (WIP) [[Backend](#) [Frontend](#)] Dec 2024 - Present

- Designed and developed a fullstack application for cataloging and sharing books.
- RESTful backend built in Go(Golang) with JWT authentication. Deployed with AWS(Amazon Web Services) using Docker for containerization
- Frontend written in React Native using Typescript and built with Gradle(Android)

Education

University of Oslo, BSc in Computer Science Aug 2024 – June 2026

- **Coursework:** Digital Design and Computer Architecture ([IN2060](#)), Calculus and Linear Algebra ([MAT1110](#)), Computability and Complexity ([IN2080](#)), Algorithms and Data Structures ([IN2010](#)), Functional Programming ([IN2040](#)), Mechatronics ([IN1080](#)), Introduction to Computer Technology ([IN1020](#))

University of Bergen, MSc in Data Science Aug 2023 – June 2028

- **Coursework:** Object-Oriented Programming ([INF100](#), [INF101](#)), Databases and Modeling ([INF115](#)), Applied Cryptography ([INF143A](#)), Introduction to Cybersecurity ([INF140](#)), Discrete Structures ([MNF130](#)), Calculus 1 ([MAT111](#))

Extracurricular

Norwegian Informatics Olympiad Apr 2021

- Nationals qualifier in the Norwegian Informatics Olympiad

Aker Solutions Case Challenge Mar 2024

- Winner of Aker Solutions Case Challenge regarding sustainable technologies

Experience

Sales Associate (Part-time), Elkjøp Norge Nov 2022 – June 2024

- One of the top sales associates in the store based on gross margin

Technical skills

Languages: Java, Python, Go (Golang), Scheme (LISP), SQL, Javascript/Typescript, HTML, CSS, Ruby, LaTeX, C/C++, VHDL

Technologies: Linux, AWS, Apache Server, Docker, Git, Gradle, React/React Native, Next.js, Expo, Rails(Ruby on Rails), MySQL, PostgreSQL, AWS, VS Code, IntelliJ IDEA, Android Studio, Arduino IDE, DrRacket

Languages

Norwegian: Native

English: Full professional proficiency

Japanese: Limited professional proficiency / Intermediate