

Fredrik Carsten Hansteen

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EDUCATION

B.S. in Informatics

2022 - 2025

Norwegian University of Science and Technology | Trondheim, Norway

Relevant Courses: 'Object-oriented programming', 'Algorithms and Data Structures', 'Computers and Digital Technology', 'Data Modeling and Database Systems'

WORK EXPERIENCE

Fullstack Developer | Consulting Engineers' Association (RIF) | Oslo / Remote, Norway

Aug 2024 - Present

- Designed and developed the website (rif.no) using Next.js, and integrated Sanity as a CMS
- Built an integrated dashboard for surveys and event registration using Next.js and PostgreSQL
- Developed a campaign site for the report Norges tilstand (norgestilstand.no)

Test Engineer Internship | Maritime Optima | Oslo, Norway

Summer 2024

- Developed end-to-end automated tests for the CI/CD pipeline, enhancing testing efficiency.
- Created regression test documentation and performed manual regression testing
- Participated in daily standups and sprint planning within a SCRUM team

Student Assistant in IT1901 | NTNU | Trondheim, Norway

Aug 2023 - Dec 2023

- Provided technical guidance in the course Informatics Project Work I
- Led three weekly lab sessions, assisting students with development and problem-solving related to Java and Maven-based projects

Chartering Agent Internship | Nordic American Tankers | Oslo, Norway

Summer 2023

- Created detailed reports on the impact of the Ukraine war and monitored vessels for illegal oil transportation.
- Analyzed global developments, identifying new opportunities in the tanker sector.
- Assisted in the chartering of the company's fleet.

VOLUNTEERING

Head of the Application Committee | 'Online' - Student Organization

Feb 2024 - Mar 2025

- Led a team of 19 developers divided into several projects
- Responsible for administrative tasks and weekly leadership meetings
- Organized weekly work sessions and training of new members

PROJECTS

Online Opptak' | RECRUITMENT WEBSITE

Fall 2023 - Spring-2024

Next.js / MongoDB / AWS / Twilio

- Collaborated with 4 other developers to build a web application simplifying the committee recruitment process
- Applicants and committees could submit available time slots, processed through a custom scheduling algorithm, which automatically sent interview times via email and SMS

Online Events | Mobile App for Student Organization

Fall 2023 - Spring-2024

- Collaborated with a team of 3 and developed a fully functional mobile application with a Flutter-based front-end, and Firebase as backend
- Set up a notification server on Google Cloud Platform to send push notifications

TECHNICAL SKILLS

Programming Languages: Dart, Go, JavaScript / TypeScript, Java, Kotlin, Python, SQL / PostgreSQL

Frameworks & Tools: Docker, Flutter, Git / GitHub, Google Cloud Platform, JavaFX, REST APIs, React / Next.js, Spring

Others: Azure, CI/CD, Figma, Firebase, OAuth 2.0, MongoDB, Postman, Photoshop, Vercel

ADDITIONAL EXPERIENCE

- **Teaching Assistant in KJ2095 | NTNU | Trondheim, Norway**

January 2025 - May 2025

Teaching assistant in the course Experts in Teamwork – Environmental Impact and Tipping Points. Facilitated interdisciplinary collaboration and guided students in solving real-world challenges

- **Teaching Assistant in MA0001 | NTNU | Trondheim, Norway**

August 2023 - December 2023

Teaching assistant in the course Introductory Mathematics A. Provided academic support in mathematics, held weekly tutorials for a class of 40 students, and graded assignments

- **Member of Finance Committee | Online Student Organization**

August 2023 - February 2024

Held overall responsibility for the organization's finances. Managed and audited the committee's accounts

- **Member of Excursion Committee | Online Student Organization**

February 2024 - February 2024

Assisting in the planning of an international excursion for third-year computer science students. Main responsible for organizing the academic week of the trip