



Carl Johan Gützkow

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Email: cjgutzkow@gmail.com

Citizenship: Norway

GitHub: [CJGutz](#)

Phone: +47 416 23 507

LinkedIn: [Carl Gützkow](#)

Website: gutzkow.com

Education

M.Sc. Computer Science

2024 – 2026

TU Delft, The Netherlands

Master's in Computer Science following the tracks Programming Languages and Computer Graphics

Thesis about deadlock detection, prevention, and avoidance in quantum network nodes

(current) GPA: 8.5 / 10.

B.Eng. Computer Science

2021 – 2024

NTNU, Norway

Bachelor in computer science focused on software development and team work methodologies

GPA: 4.76 / 5.

Work experience

Telescope

Trondheim, Norway

Full-stack developer

2022 - Present

The company Telescopco AS was started by two other students and me. I have for the most part worked with back-end development, but I have more recently worked closer to full-stack. My focus area within the back-end has been spatial data and how it can be used to calculate the return period of several different hazards for a property plot.

Periodic Evaluation for BIDATA NTNU

Trondheim, Norway

Student Representative

2023 - 2024

An evaluation of the study program is done every fifth year. I was asked to be the student representative for Trondheim. My responsibility is to find points of improvements in the program and make the necessary changes. If there are combinations of courses that did not work or subjects that were taught too late, I would bring it to discussion with study coordinators.

Voluntary experience

Hackerspace NTNU

Trondheim, Norway

Deputy Commander and Commander

2023 - 2024

Part of Hackerspace's leadership, I do administrative work to strengthen Hackerspace NTNU's position as a student organization and make our workshop a desirable place for students.

From December 2023 to March 2024 I temporarily took over as Leader for the organization.

Hackerspace NTNU Trondheim, Norway
DevOps Team Leader and Web Developer 2021 - 2024
After a semester of working with the website, I was elected to DevOps leader. As a leader, I got responsibility to preserve a good work ethic and environment. Additionally, I had control over our on-prem servers and got help to create a more robust and better structured server infrastructure

Tihlde Index Trondheim, Norway
Back-end Developer 2023 - 2024
I worked in a software development team for the study's student organization. There, I worked back-end with highly skilled students. Furthermore, I took part in creating a computer science capture the flag event.

Reference groups

A reference group creates an open dialog between a professor and the students. Its objective is to provide feedback to the professor and find ways to improve a subject. A report is written at the end of the semester. I have participated in a reference group in the following courses at NTNU:

IDATT2106 Software Development 2 with agile project	Spring 2023
IDATT2105 Network Programming	Spring 2023
IDATT2502 Machine Learning	Fall 2023

Skills

Programming

Proficient in: Python, Java, Docker, Typescript, PostGIS.
Familiar with: Rust, C++, Kotlin.

Languages

Norwegian (fluent), English (advanced, TOEFL: 115), German (elementary), Dutch (elementary)

Gustav Haaland

CEO and Co-Founder of Telescope

References - *Contact info available on request*

Grethe Sandstrak

Associate Professor, Department of Computer Science
NTNU

Ole Christian Eidheim

Associate Professor, Department of Computer Science
NTNU