



# Carl Johan Gützkow

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Learning new things is what drives me. I am always looking for new challenges that might improve my skills or to learn something entirely new. I love to work with and manage teams where everyone is open to new ideas and discussions.

## Education

### **B.Eng. Computer Science**

August 2021 – June 2024

*NTNU, Norway*

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

*GPA: 4.76 / 5.*

### **Upper Secondary**

August 2019 – June 2020

*Windsor, Vancouver, Canada*

A year abroad with the subjects robotics, financial accounting, physics, pre-calculus and geometry.

*Grades: A: 6, B: 1*

### **Upper Secondary**

August 2018 – June 2021

*Nydalen VGS, Oslo, Norway*

Specialized in mathematics, physics, and programming

*GPA: 5.64 / 6.*

## Work experience

### **Ei Solutions AS**

Trondheim, Norway

*Full-stack developer*

*Summer 2021 - Present*

The company Ei Solutions 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 back-end has been spatial data and how it can be used to calculate the probability of several different hazards for a property plot.

	<b>Periodic Evaluation for BIDATA NTNU</b>	Trondheim, Norway
	<i>Student Representative</i>	<i>Fall 2023 - Present</i>
	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	<b>Hackerspace NTNU</b>	Trondheim, Norway
	<i>Deputy Commander and Commander</i>	<i>Spring 2023 - Spring 2024</i>
	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.	
	<b>Hackerspace NTNU</b>	Trondheim, Norway
	<i>DevOps Team Leader and Web Developer</i>	<i>Fall 2021 - Spring 2024</i>
	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	
	<b>Tihlde Index</b>	Trondheim, Norway
	<i>Back-end Developer</i>	<i>Spring 2023 - Spring 2024</i>
	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.	
Projects	<b>Unchained template renderer and router</b>	Spring 2024
	Github: <a href="#">CjGutz/unchained</a>	
	<b>In-depth analysis of measuring DCGAN and LSGAN</b>	Fall 2023
	Thomas Beranek, Eirik Elvestad and Carl Johan Gützkow	
	Github: <a href="#">CjGutz/DCGAN-IDATT2502</a>	
	<b>IM-WANTEDD</b>	Spring 2023
	Carl Johan Gützkow and Thomas Svendal	
	Github: <a href="#">thomsen85/IM-WANTEDD</a>	
	<b>Introduction to Raspberry Pi and the Unix environment</b>	Fall 2023
Teaching experience	NTNU, Trondheim	

Held a lecture to introduce 20 students to set up, configure, and use a Raspberry Pi. The course also went into great detail of traversing and using a Unix shell.

**Gave 4<sup>th</sup> graders an introduction to Scratch**

Spring 2017

Osloskolen, Oslo

Prepared presentations and taught programming concepts to four classes of elementary school children.

**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)

**References**

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