Magnus Andreas Giverin

+47 939 79 299 | magnusgiverin@icloud.com
🔗 Magnus Giverin | ⌨ magnusgiverin | 🌐 magnus.giverin.no
Trondheim, Trøndelag - 7030, Norway

About

Socially engaged fourth year student in Computer Science (datateknologi). Strong international profile, having lived 9 years outside of Norway, in Mexico, Sudan, the UK and Indonesia. British and Norwegian dual national and communicates fluently in Norwegian, English and Spanish. Fast learner with a passion for exploring new ideas and solving difficult problems. Love teamwork and interacting with people from different cultures and backgrounds. Driven by the application of my knowledge in innovative and concrete ways to improve society and the way we all live and work.

Experience

- **Telenor Norway [🌐]**   *June 2024 - August 2024*
  OSS (Operational Support Systems) Engineer (Internship)   Oslo, Norway
  ◦ Refactored existing micro service to remove dependencies within micro service architecture
  ◦ Reduced technical debt through refactoring and improvement on existing logic using Kafka
  ◦ Implemented new customer payment functionality, enhancing the usability and capabilities of the system
  ◦ Upgraded database systems allowing for greater allocation of spatial resources within the system
  ◦ Conducted systemic risk analysis on the product, identifying underlying problems relating to rushed implementations early in the development process and potential operational risks
  ◦ Presented findings for the Board of Directors, receiving praise for our findings on the effect of technical debt on the value the system can provide for Telenor

- **Orbit NTNU [🌐]**   *February 2024 - present*
  CIO   Trondheim, Norway
  ◦ Managed two teams within IT development, Web and DevOps
  ◦ Oversaw the implementation of a new member management tool in the organisation
  ◦ Ensured quality in the code produced, and minimising technical debt
  ◦ Worked with industry partners (Intility, KSAT, EMP Secure) to ensure quality in our IT systems

- **Orbit NTNU [🌐]**   *August 2023 - February 2024*
  Web Team Leader   Trondheim, Norway
  ◦ Managed a team of 6 students
  ◦ Developed a new intranet service, connected to a new IT ground system
  ◦ Conducted meetings and planned sprints

- **Kommunal Landspensjonskasse (KLP) [🌐]**   *June 2023 - August 2023*
  Full-stack developer (Internship)   Oslo, Norway
  ◦ Refactored the client side logic on a major search page to improve responsiveness
  ◦ Created the "pension agreements" page on the KLP website from scratch
  ◦ Developed two APIs in Java for new "pension agreements" page
  ◦ Worked "in-line" with the Digital Development team - completed multiple tasks from their backlog

- **Norwegian University of Science and Technology (NTNU) [🌐]**   *January 2023 - present*
  Teaching Assistant   Trondheim, Norway
  ◦ Teaching Assistant in four courses - Object Oriented Programming (C++), Python, Advanced Software Engineering, and Introduction to Computer Science
  ◦ Aided in understanding and held group-based work sessions
  ◦ Corrected assignments and communicated directly with NTNU faculty regarding assignments

- **DNV Fuel Fighters [🌐]**   *August 2021 - Janurary 2022*
  Design Team Leader   Trondheim, Norway
  ◦ The objective of Fuel fighters is to design and build a hyper-efficient road vehicle
  ◦ Oversaw a team of 5
  ◦ Developed aerodynamic improvements to the car to reduce drag and improve efficiency
  ◦ Implemented weight-saving measures by adjusting design of the front wing
  ◦ The final design was the NTNU submission to the global Shell Eco marathon competition

EDUCATION

- **NTNU** — *August 2021 - June 2026*

  Masters in Engineering, Computer Science — Trondheim, Norway
  - Specialisation: Algorithms and Computers
  - Interests: Machine learning, cognitive architectures, and AI

- **Greengates International School** — *August 2017 - June 2021*

  Secondary Education — Mexico City, Mexico
  - IB score: 40
  - HL subjects: Chemistry, Economics, Physics

ADDITIONAL PROJECTS

- **Bymuseet i Levanger: Website for the City Museum of Levanger** — *May 2024 - July 2024*

  Tools: HTML, React, Typescript, Tailwind, Next, Node, Vercel — bymuseet.com |
  - Developed website for the City Museum of Levanger from scratch
  - Implemented information pages of each location they own
  - Communicated extensively with the board of the museum to ensure good customer relations

- **Timeplaner.net: [Calendar management tool for students at NTNU]** — *December 2023 - January 2024*

  Tools: HTML, React, Typescript, Tailwind, Next, Node, Vercel — timeplaner.net |
  - Identified and worked with three NTNU APIs
  - Implemented logic for interpreting NTNU data, and parsing it in a meaningful way
  - Created a user oriented UI which makes creating a calendar as simple as possible
  - Scraped NTNU information from their websites, allowing me to access information not available through their APIs
  - Developed a saving functionality without any external database, utilising web caches and allowing students to keep their existing calendars on their machines locally

- **Calone.com: [Precursor to timeplaner.net]** — *May 2022 - February 2022*

  Tools: CyberDuck, HTML, JSON, Pickle, Python — calone.com
  - Developed logic for parsing and interpreting NTNU data using Python
  - Identified multiple Python bottlenecks for web development, motivation for moving to a more modern tech-stack (timeplaner.net)
  - Learned about verson control and Git
  - Worked in a team of three

SKILLS

- **Programming Languages:** Assembly (x86), C, C++, Java, JavaScript, Kafka, Kotlin, Oz, Python, TypeScript
- **Web Technologies:** CSS, HTML, React, Next, Node, Tailwind, TRPC, Vercel
- **Database Systems:** Azure SQL, FireBase, MySql, Prisma, SQLite
- **Cloud Technologies:** Azure, Jenkins
- **DevOps & Version Control:** Git, Gitea, GitHub, GitLab, Jira
- **Specialized Area:** Frontend tools - HTML, React, Next, Node, Tailwind/CSS, Typescript
- **Mathematical & Statistical Tools:** PandaDF, MatPlotLib, NumPy

ADDITIONAL INFORMATION

Languages: English (Native), Norwegian (Native), Spanish (Working level)
Interests: Automation, universal design, working in teams, large-scale projects, creating value for society

REFERENCES

1. **Marius Bostad**
   Head of OSS Service Assurance, Telenor Technology
   Telenor Norway
   Email: marius.bostad@telenor.no
   Relationship: Supervisor

2. **Preben Holme Heitmann**
   Business analyst, KLP Technology
   Kommunal Landspensjonskasse (KLP)
   Email: preben.gundersen@klp.no
   Phone: +47 481 85 642
   Relationship: Supervisor