


Oliver Hole Ekelund

 CYBERNETICS STUDENT LEADER - ASCEND NTNU

 24.02.2000, Aalesund

 Trondheim, Norway

EDUCATION

M.Sc. Cybernetics and Robotics

NTNU

Aug. 2022 – Present

An interdisciplinary study where one learns how dynamic systems can be controlled and monitored by combining mathematics, natural sciences, computer technology, and control engineering.

Paragliding Class

Valdres Folk High School

Aug. 2021 – Jun. 2022

Paragliding class of 2021.
Lushoto Committee member.

TECH SKILLS

Programming Languages

- Python
- Matlab
- C++
- C
- JavaScript
- HTML
- CSS

Technologies & Tools

- GitHub, Git
- Machine Learning
- Adobe Photoshop



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 <https://github.com/olli1324>

 www.linkedin.com/in/oliverholee

PROFILE

- 3rd-year MSc student in Cybernetics and Robotics at NTNU.
- Intern experience as an Automation Engineer and mentor in the Schibsted Connect program.
- Experience managing Ascend NTNU, one of NTNU's leading technical organizations, overseeing a team of 46 students at the forefront of autonomous drone technology.
- Active in extracurriculars, including Head of IT at Netverksdagene and class representative for the Cybernetics Robotics Class of 2022.
- Feedback from superiors and fellow students is that I am a sociable, dedicated, and hard-working individual, always seeking to improve my professional skills and innovative problem-solving abilities.
- Energized by projects that spark my interest, I thrive on facing new challenges, value supporting others' success, and take pride in achieving measurable results in my work.

EXPERIENCE

Automation Engineer Intern

Ulmatec Handling Systems

Jun. 2024 - Jul. 2024

I worked on several projects across different areas of the company. The main project involved a distance measuring system using a LiDAR, where I applied various methods to pre-process, segment, and extract data from the LiDAR sensors. As part of this project, I also explored methods to align and fuse point cloud data with an RGB camera feed from a different coordinate system.

In another project, I helped improve an A-frame winch's control system by developing a prototype for an anti-collision system in Python. Additionally, I explored Large Language Models (LLMs), using Retrieval-Augmented Generation (RAG) and LangChain to develop a chatbot. I then conducted a feasibility study on implementing an in-house chatbot for the service department, aiming to enhance internal communication and improve efficiency.

- Point Cloud Processing - RAG - PLS

NTNU Ambassador

NTNU

Sep. 2023 - Feb. 2024

Representing NTNU and its broad possibilities to the public, we travel around Norway to visit high schools, providing valuable information and serving as a reliable source for prospective students.

- Public Speaking - Student Outreach

LANGUAGES

- Norwegian – native
- English – C2
- German - A2

PERSONALITY

- Analytical
- Open-minded
- Goal-oriented
- Fast learning
- Team player

INTERESTS

- Finance
- Entrepreneurship
- Triathlon
- Hiking
- Traveling
- Trying new things

CERTIFICATES

- A1/A3 Sub Category Licence - Des. 2023

EXPERIENCE

Leader

Ascend NTNU

Apr. 2024 – present

Leading one of NTNU's technical organizations specializing in developing autonomous drones for international competitions. Managing a team of 46 students across six groups, working closely with the board to strategically guide Ascend NTNU.

- Leadership - Strategic planning - Project management

Head of IT

Nettverksdagene NTNU

Jan. 2024 – present

Nettverksdagene is yearly career fair organised by students enrolled in Cybernetics and Robotics at NTNU. I serve as a board member for the event and leader of the IT group, which are responsible for the development and maintenance of nettverksdagene.no.

- Team leadership - Web development - Vue - Docker

EXTRA

Mentor

Schibsted Connect

Nov. 2023 – Jun. 2024

A mutual mentorship program where I am connected with experienced professionals at Schibsted. This initiative offered a unique opportunity for hands-on learning from seasoned employees, while also allowed me to bring new perspectives and ideas, enriching the experience for both parties.

- Mentoring - Industry Insights - Knowledge Sharing

Head of Finance

Kielderstyret - Sct. Omega

Sep. 2022 – Sep. 2024

The Kielder Committee manages and maintains Omega's student bar at Moholt. I was responsible for accounting and budgeting, as well as securing funding from various organizations.

- Tripletex - Budgeting - Accounting

Video Photographer

UKA 2023

Feb. 2023 - Des. 2023

Video photographer for UKA 2023, Norway's largest cultural festival. My role involved filming and editing content of events leading up to and during UKA 2023.

- DaVinci Resolve - Video Production - Editing

REFERENCES

References are provided at request