


# 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
- C++
- C
- JavaScript
- React
- HTML
- Matlab
- CSS

### Technologies & Tools

- GitHub, Git
- PyTorch
- LangChain
- Docker
- Confluence



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 <https://github.com/olli1324>

 [www.linkedin.com/in/oliverholee](https://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 Nettverksdagene and class representative for the Cybernetics Robotics Class of 2022.

## EXPERIENCE

### Consultant

Wideangle

Oct. 2024 – present

Currently focused on business strategy and web development, working on implementing custom CRM, CMS and customer pipeline solutions for internal use to improve workflow efficiency. My role also includes consulting services for our clients.

- CRM/CMS Development - Business Strategy - Tech Consulting

### 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 - Hugging Face - LangChain - PLS

### 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

## LANGUAGES

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

## PERSONALITY

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

## INTERESTS

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

## CERTIFICATES

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- A1/A3 Sub Category Licence - Des. 2023

## EXPERIENCE

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### Head of IT

Nettverksdagene NTNU

Jan. 2024 – present

I serve as a board member and leader of the IT group for Nettverksdagene, an annual career fair for engineering students. We maintain our website nettverksdagene.no and develop new features useful for members, students, and attending companies. Examples of these include a digital spin-the-wheel in JavaScript, a dynamic stand map in Vue.js, and a more reliable email script.

- Team leadership - Web development - Vue.js - Docker

### 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

## EXTRA

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### 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

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References are provided at request