



Nov. 2025

Ole Magnus Lærum

Education

MSc. Cybernetics and Robotics, NTNU <i>Norwegian University of Science and Technology</i> GPA: 4.14/5.00 (B+)	<i>Trondheim, Norway Aug. 2021 - Jun. 2026</i>
<ul style="list-style-type: none">Currently writing my master thesis on unsupervised machine learning using computer vision for fish welfare5-year engineering program: control engineering, AI, mathematics, electronics and computer visionExchange: Polytechnic University of Valencia, coursework in AI and computer vision, Spring 2025	
MSc. Energy and Environmental Science, NTNU <i>Norwegian University of Science and Technology</i>	<i>Trondheim, Norway Aug. 2020 - Jun. 2021</i>
<ul style="list-style-type: none">Completed the first year before transferring due to a newfound and accelerating interest in Cybernetics and Robotics.	
Upper Secondary School (Science Track) <i>Amalie Skram VGS Førstegangsvitnemål of 61.6 points</i>	<i>Bergen, Norway Aug. 2016 – Jun. 2019</i>

Technical Work Experience

Water Linked AS Summer Intern - R&D	<i>Trondheim, Norway Jun. 2025 – Aug. 2025</i>
<ul style="list-style-type: none">Developed live SLAM using 3D sonar and DVL sensors, ROS2 and Python, improving underwater mapping ^[1]Created official documentation for installation of Water Linked's new 3D sonar on four ROVs ^[2]	
Bekk Consulting AS Summer Intern - Data Analysis	<i>Oslo, Norway Jun. 2024 – Aug. 2024</i>
<ul style="list-style-type: none">Created an "AI Document Checker" program for an external client using image processing and machine learning with Python, prompt engineering, and OpenAI API	
Element Logic AS Summer Intern - R&D	<i>Kløfta, Norway Jun. 2022 – Aug. 2022</i>
<ul style="list-style-type: none">Created a prototype "Autonomous Strawberry Picker" using a Panda Robotic Arm with AI object detection for ripeness assessment and harvesting. Used Python, C++, CAD for 3D modeling, and AI camera vision ^[3]	
Fuel Fighter (Student Organization) Mechatronics Engineer	<i>Trondheim, Norway Sept. 2021 – Aug. 2022</i>
<ul style="list-style-type: none">Developed mechatronics for the autonomization of a hyper-energy-efficient electric vehicle. Programmed microcontrollers (Teensy, Arduino) with C++, Python, and ROS2, while using DC-motors, soldering, CAD in Fusion360 and electronicsAchieved first ever autonomous Fuel Fighter operation, placing 3rd at Shell Eco Autonomous Competition, France	

General Work Experience

NTNU - Procedural and Object-Oriented Programming (C++) <i>Teaching Assistant (150h) - TDT4102</i>	<i>Trondheim, Norway Spring 2026 (Incoming)</i>
NTNU - Control Systems <i>Student Assistant - TTK4105</i>	<i>Trondheim, Norway Spring 2026 (Incoming)</i>
NTNU - Linear System Theory <i>Student Assistant (two terms) - TTK4115</i>	<i>Trondheim, Norway Fall 2024 and Fall 2025</i>
Realfagshjelpen AS <i>Private Science Tutor (Part-time)</i>	<i>Trondheim, Norway Sept. 2023 – Jul. 2024</i>
Garnisonen i Sør-Varanger - Hæren <i>Border Guard Conscript Soldier, Scout</i>	<i>Finnmark, Norway Aug. 2019 – Jul. 2020</i>

Personal Qualities

Proactive and driven

If there is a hard challenge, goal or a deadline, I gladly roll up my sleeves and do what needs to be done.

Team builder

I care deeply about building strong relations and helping others, always looking for ways I can contribute to and ensure team improvement and success.

Adventurous and independent

From solo travel to meeting new people - I love jumping into the unknown and thrive navigating it independently.

Passion for technology

I am thrilled by the technologies I encounter, enthusiastically sharing about my projects with friends and family. This passion gives me fuel to eagerly go the extra mile.

Other

Solo Backpacking Adventure Travel <i>10 months, 26 countries</i>	<i>Iran, India, Lebanon, Japan, Morocco, Bolivia, etc. Sept. 2022 – Jul. 2023</i>
<ul style="list-style-type: none">Fulfilled my dream of world travel, experiencing and tackling adventures like climbing atop a 6088m mountain, skydiving, and completing a 10-day silent meditation retreat.This experience developed my unusual comfort in approaching strangers and connecting with people across any background, meeting everyone with equal openness and respect. It also strengthened my independence and quick, optimistic problem-solving abilities, whether navigating chaotic Iranian bazaars, the streets of Rio, or remote Indian villages.	

[1] Water Linked Internship Blog Post: waterlinked.com/blog/careers-2/summer-internship-at-water-linked-25

[2] Water Linked Published 3D Sonar Documentation: docs.waterlinked.com/sonar-3d/sonar-3d-15-deep-trekker-rov

[3] Element Logic Internship Blog Post: elementlogic.net/news/summer-internship-to-the-next-level-with-vertical-farming/