

TORD NATLANDSMYR

contact@natlandsmyr.com ◊ natlandsmyr.com ◊ Github

Trondheim, Norway

EDUCATION

NTNU, Trondheim 4th year, M.TECH Cybernetics and Robotics	Present
St.Olav Videregående Skole, Stavanger Higher Secondary Education: Research Student Extra credits (University of Stavanger): Technology and Research theory	<i>2017-2020</i>

TECHNICAL EXPERIENCE

Programming languages:

Comfortable with: C, C++, Golang, Python, Matlab™, L^AT_EX

Familiar with: Rust, Bash

Technologies:

Additive Manufacturing (3D-printing), CAD, CMake, Docker, Embedded C, Autodesk Fusion 360, git, Github-CI, GNU/Linux, Robot Operating System (ROS/ROS2), Sysadmin, Zephyr RTOS, KiCAD

WORK EXPERIENCE

Autonomous Robots Lab - NTNU <i>Research Engineer - Building an unpowered glider for wildfire supression</i> <ul style="list-style-type: none">Drone research, XFLR5, CAD, PrototypingSee the project at this website.	NTNU, Trondheim, Norway June 2024 - Present
Department of Engineering Cybernetics - NTNU <i>Student Assistant TTK4130 - Developing new course assignments</i> <ul style="list-style-type: none">Python, System dynamics, Simulation and Control, Numerical SolversSee my work at this website	NTNU, Trondheim, Norway August 2024 - Present
Orakel Support Services - NTNU IT <i>Student Employee - IT Support and Web Development</i> <ul style="list-style-type: none">IT Service, IT Support, Django, GNU/Linux, PythonResponsible for IT Operations: Backend, OpenStack, GNU/Linux, Docker	NTNU, Trondheim, Norway February 2023 - November 2024
Department of Engineering Cybernetics - NTNU <i>Laboratory Assistant TTK4235 - Developing new lab assignments</i> <ul style="list-style-type: none">Embedded Systems, C programming, Software EngineeringSee my work at Github	NTNU, Trondheim, Norway September 2023 - April 2024
Product Marketing - Nordic Semiconductor <i>Student Employee - Developing a custom product demo</i> <ul style="list-style-type: none">Embedded Systems Development, Zephyr, C, Machine Learning, Zigbee, PCB DesignSee my work at Github	Trondheim, Norway February 2023 - August 2023

Department of Engineering Cybernetics - NTNU*Laboratory Assistant TTK4235 - Embedded Systems*

NTNU, Trondheim, Norway

January 2023 - April 2023

- Embedded Systems Development, C programming

Motion Capture and Visualization Laboratory - NTNU*Research Assistant - Biomechanics*

NTNU, Trondheim, Norway

September 2022 - April 2023

- Biomechanical Data Processing, Motion Capture, Biomechanics, Inverse Kinematics, OpenSim

Department of Mechanical and Industrial Engineering - NTNU*Teaching Assistant TMM4220 - Innovation by Design Thinking*

NTNU, Trondheim, Norway

September 2022 - November 2022

- Design Thinking, Human-centered Innovation, Ethnographic Method

VOLUNTEERING

Trondheim Student Symphony Orchestra*Cellist*

Trondheim

September 2022 - **Present**

- Classical Music, Volunteering

Omega Workshop (Hackerspace)*Board Member*

NTNU, Trondheim, Norway

September 2020 - January 2024

- Mechanical Group (2020-2021): 3D-printing: CAD, Maintenance, Fail Detection, Slack Integration
- IT Group (2021- 2024): Systems Administration, Networking, Web development, GNU/Linux

Malaika Kitchens*IT Consultant*

Kenya / Remote

April 2023 - May 2023

- IT Strategy, Systems Administration, Web Development

Ascend NTNU - Control Group*Member*

NTNU, Trondheim, Norway

September 2020-2022

- Lead Control Engineer (2021-2022): Leading team of 6, Project Management, Docker, ROS2, ArduPilot
- Control Group Member (2020-2021): ArduPilot, Kalman Filter, ROS, Drone Pilot, Testing and Prototyping, GNU/Linux

Maisha Mema, St.Olav Upper Secondary School*Representative*

Nairobi, Kenya / Stavanger, Norway

2018-2019

- Fundraising, Volunteering, Humanitarian aid

CISV Norway*Norwegian Delegation Member*

Stavanger, Norway

2011-2016

- Costa Rica (2011/12), Austria (2015) and Sweden (2015). Intercultural Collaboration

PERSONAL PROJECTS

- Object tracking turret: ODrive, Computer vision, Estimation
- Delivery Robot: Computer Vision, SLAM, ZED Stereo Camera, ROS2, ODrive
- Web projects: Personal Website, Nextcloud, Home assistant
- Slack bots with Image Classification: YOLO, Image Classification, Web Development

OTHER ACADEMIC ACTIVITIES

- NTNU Learning Assistant Training (LAOS) (Spring 2024)
- German Language Exchange Student DNSZ, Kiel, Germany (January/February 2023)
- Finalist in the Norwegian Astronomy Olympiad (2019/2020)

MISCELLANEOUS

- Command of English and Norwegian. German (B2). Italian (A2).