Elias Evjen Hartmark

Robotics Master student

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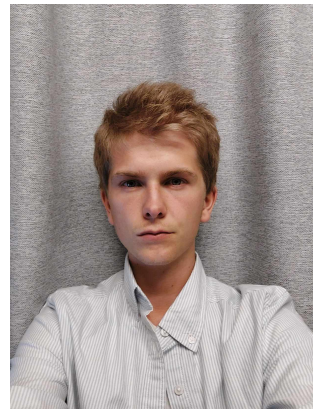
Work Experience

Shop Employee
Outland Oslo

2018-2020

In light of my coming studies I sought out work in my gap year, acquiring a job at a hobby store called Outland. Here I gained responsibility for the board game section of the store and worked with a lot of independence. The following year I was tasked with teaching new hirelings, which shows that my employers trusted me.

Learning Assistant
TMP100 NMBU

2022

TMP stands for Mechanical Engineering and Process Technology. I had not been a student of this subject in the past and was asked to contribute with teaching the students Fusion, 3d printing and laser cutting. All of which I am self taught having used a lot of time tinkering. In addition I was tasked with creating the BOM (bill of materials) for the subject.

Learning Assistant
TIP100 NMBU

2022-2023

TIP100 stands for Industrial Innovation and Technology. Here I and a colleague was tasked with teaching the students about kinematic movement and how to use Peter Corke's package for Matlab. I was rehired for the 2023 course as well.

Eik Projects
NMBU

2021–2023

During my time so far at NMBU I have taken part in multiple projects through the Eik Lab initiative. The projects have been: Self Driving Car, Steel Chain Weighing Station and Temperature Sensors for Bee Hives. These projects have gained me a lot of experience in project management and development.

Aiding PHD student
NMBU

2023

In the period from April 2023 until September 2023 I worked in collaboration with a PHD candidate and two Master students in creating a run-time verification website for monitoring the state and safety of robotic systems in the field. The result of this would be used in the PHD paper. I worked with ROS2, Python3, Flask, D3, Javascript, CSS, Jira and github (Linux environment)

Education

High School (Forskerlinje / Researcher Class)
Vestby VGS

2015–2018

Master's Degree in Robotics (Ongoing)
NMBU

2019–2024

Technical skills

Programming languages	*Python, MATLAB, C++, LATEX, MySQL, Linux, Haskell*
Design skills	*3D printing, Laser cutting, Fusion, Solidworks, Blender*
Machine skills	*Milling, Welding, Machine Technique, Lathe*
Programming skills	*Git, Vim, Nano, Ubuntu, ROS, ROS2, RobotStudio, Arduino IDE, Flask, Ogma, FRET*
Embedded systems	*I2C, SPI*
Other skills	*Silicon casting, Miniature painting, Clay sculpting, Tennis, Fotball, Handball, Gaming, Movies*

Reference

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Languages

Norwegian—English