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Trondheim, Norway

# Markus Kinn

Currently pursuing a Master's in Informatics (AI) at NTNU Trondheim. Garnered solid experience in software engineering, machine learning and leadership through jobs, extra-curricular work and spare time projects.

## KEY COMPETENCIES

### Programming Languages:

Python  
SQL  
C#  
C++

### Tools & Technologies:

Deep learning  
Machine learning  
Pytorch(Lightning)  
Git, Github  
Unity

### Soft Skills:

Team leadership  
Communication  
Agile development

## EXPERIENCE

### Ascend NTNU

April 2024 - Present

#### Chief Engineer

- Responsible for overseeing four technical groups
- Coordinate efforts of 28 engineers to ensure seamless integration of work on autonomous drones
- Worked closely with Deputy Chief Engineer to set strategic goals, manage project timelines, and maintain high standards of technical excellence

*Team leadership - Strategic planning - Project management - Technical oversight - Coordination*

### Systek

Jun 2024 - Aug 2024

#### Software Engineer

- Worked as a consultant with a group of three students
- Created an AR Configuration System for Christmas trees (oil and gas type) using Unity, C# and Meta Quest 3
- Configuration System not only simplified the configuration process but also reduced the likelihood of errors that could occur with traditional methods.

*Unity - C# - Git - GitHub - Meta Quest 3*

### Europris

Aug 2022 - Dec 2022

#### Machine learning intern

- Worked with various machine learning algorithms focused on Time Series Data
- Practiced data preprocessing techniques, understanding the importance of cleaning and preparing data for robust model training

*Machine learning - Databricks - Data preprocessing - Python - SQL - Git - GitHub*

### Ascend NTNU

Sep 2023 - Aug 2024

#### Perception Engineer

- Member of the Perception team, transforming sensor input into valuable insights about the drone's surroundings
- Worked with technologies including custom deep learning models, fine-tuned existing models, synthetic data generation, ROS2, sensors, and Nvidia Jetson Orin NX

*Python - C++ - Deep learning - Pytorch - Ultralytics - Blender - ROS2 - OpenCV - Linux - CAD*

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## EXTRA-CURRICULAR ACTIVITIES

### Head of Local Youth Political Party

**Nov 2020 - Aug 2022**

- Led a local youth political party for an extended period.
- Gained valuable experiences and insights into leading a team towards a shared objective.
- Also held a position as a board member in the county political party for part of this period and regional youth political party board.

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## EDUCATION

### NTNU - Trondheim

Master of Science in Informatics - Artificial Intelligence

**Aug 2023 - Jun 2025**

### Østfold University College

Bachelor of Computer Science

**Aug 2020 - Jun 2023**

### Hans Nilsen Hauge VGs

High School

**Aug 2017 - Jun 2020**

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## REFERENCES

References can be provided upon request!