

Thomas Eriksson Mueller

MSc Machine Learning / Computer Science and Engineering

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EDUCATION

KTH

Stockholm, Sweden

MSc Machine Learning / Computer Science and Engineering

Aug 2020 - present

- A 5-year engineering degree mainly consisting of courses in **computer science**, artificial intelligence, **machine learning** and mathematics. *Projected graduation*: June 2025

WORK EXPERIENCE

Scania

Södertälje, Sweden

Scania Student Intro Programme

Feb 2024 - present

- Writing MSc thesis on optimizing truck fuel consumption via **gear selection strategies** using **Reinforcement Learning** in **PyTorch**, tested in a **Software-in-the-Loop** setup.
- Completed a summer internship (*Jun - Aug 2024*), focusing on **automating functional testing** for real-world log data and developing a **dashboard for running tests** and evaluating test results.

KTH Formula Student

Stockholm, Sweden

Head of Software Development, Driverless

Aug 2022 - Sep 2024

- Developing **simulation**, **CI/CD** and benchmarking tools for autonomous system.
- Work also includes **ROS** development, in-house **Unix** and Windows system-, **network**-, and **storage management**.

KTH Centre for Cyber Defence and Information Security

Stockholm, Sweden

Full-stack Developer

May 2023 - Sep 2023

- **Full-stack development** of an educational cybersecurity VM that hosted a website and general **cybersecurity tools** to educate students on cybersecurity in an offline, safe environment.

PROJECTS

Museum Exhibition App

Fall 2021 - Spring 2022

- Built an interactive exhibition app **with 7 other students**. Built using the **Flutter framework**.

Internet Programming Game

Spring 2022

- Built a Roguelike game played through a **server-client TCP socket communication**.
- Server **supports multiple games** and players in parallel using **JSON-serialized communication**.

SKILLS

Completed Courses: Artificial Intelligence and Multi-Agent Systems | Artificial Neural Networks and Deep Architectures | Computer Security | Introduction to Robotics | Reinforcement Learning

Technical Skills: PyTorch, GCP, Docker, Unix, Networking, CI/CD, Django, Git, Python, C++, Java

Languages: Fluent in *English* and *Swedish*. Some Proficiency in *German* and *Spanish*.

Certifications & Licences: Driver's B-License & Drone Pilot Certificate