



# Sander Bakke

## Profile

Hardworking and enthusiastic student pursuing a Masters degree in Electrical Engineering, specializing in Signal Processing and Machine Learning.

## Employment History

### Summer Intern, Interop AS, Oslo

JUL 2024 – AUG 2024

Developed a Proof of Concept (PoC) using FIWARE solutions, focusing on digital twins and real-time sensor data processing with FogFlow. Integrated components like Orion Context Broker, IoT Agents, Elasticsearch with Grafana and QuantumLeap, using Docker and MongoDB for efficient cloud-based data management. Demonstrated adaptability and problem-solving in a fast-paced environment.

### Financial Manager Verstekapet Dodens Dal (VDD), UKA, Trondheim

NOV 2022 – DEC 2023

Responsible for VDDs finances. Responsibilities included contact with suppliers, procurement and managing a multimillion (NOK) budget, and some HR managing, including managing groups up to 170 workers during concerts.

### Junior Engineer (Summer internship), Jotron, Larvik

JUN 2023 – AUG 2023

In a team of two, we developed a runners app using Qt Creator with C++ and QML, for either solo runs, or relay races with a team. Got additional experience with Node.js, Ubuntu VM server setup, and secure internet protocols like the use of HTTPS connection and safe use of emails and passwords.

### Teaching Assistant, NTNU, Trondheim

AUG 2022 – DEC 2022

Assisting students design and implement electronic projects for St. Olav Hospital with microcontrollers, sensors and actuators.

### Project Consultant, NTNU, Trondheim

MAR 2022 – AUG 2023

Developed a WiFi-controlled car with object-detection for recycling. The task was making a project for new students at Electronic system design and innovation NTNU, with a goal to create motivation and enthusiasm towards the Masters program.

## Education

### M.Sc. Electronic System Design and Innovation, NTNU, Trondheim

AUG 2021 – MAY 2026

### Signal Processing, EURECOM, Sophia Antipolis

SEP 2024 – JUN 2025

## Courses

### Recruiting and interviewing, SIT

JAN 2023

### Meeting management, SIT

FEB 2023

## Details

Klostergata 79

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## Links

[LinkedIn](#)

[GitHub](#)

## Skills

Highly Organized

Leadership and Teamwork

Management Skills

Problem Solving

Adaptability

LaTeX

Python

Matlab

C++

C/Arduino

Git

HTML

JavaScript

MySQL

Docker

## Languages

Norwegian

English

Spanish

French