

KARL OLAV TYSSVANG

+47 452 55 307 • karl.tyssvang@linacre.ox.ac.uk • • github.com/MolavyMakemake

SUMMARY

Student of mathematics with experience in computer graphics and electronics.

EDUCATION

M.Sc in Applied Mathematics

Graduated June 2025

University of Oslo

Relevant coursework: Differential Geometry, Finite Element Methods

B.Sc in Applied Mathematics & Computer Science

Graduated May 2024

University of Oslo

Relevant coursework: Fluid and Solid Mechanics, Partial Differential Equations, Analysis

TECHNICAL SKILLS

API & Tools: .NET, OpenGL/TK

Programming: C++, C#, Python

EXPERIENCE

Portal Space, Blindern, Oslo: Electronics

Jan 2023 – Present

- Lead development of ignition system which was successfully deployed in September 2023.
- Developed a desktop application for mission control in C++.
- Wrote the software for the Rocket Control Unit (the motherboard), the Engine Control Unit, and the Main Valve Controller, which have all been successfully deployed in cryogenic tests.

Kesine Phonkoet, Oslo: Web Development

Aug 2022-Dec 2022

OTHER WORK EXPERIENCE

Nordseterhjemmet, Nordstrand, Oslo: Kitchen Assistant

Summers 2021, 22, 24

- Worked in the kitchen, with inventory, and in sanitation.