Max Oliinyk

Computational Engineering & Software Development Student

✉ olejnikmax@gmail.com 📞 0449328819 📍 Helsinki/Lappeenranta Finland

🐙 github.com/oliynykmax 🔗 linkedin.com/in/oliinykmax 🔗 oliinyk.dev

Profile

Transitioning from Sociology to CS & AI. I discovered that I not only enjoy understanding people, but also building technology for them. Passionate about software engineering, especially in C++/Python. I want to grow through interesting projects. Feel free to reach out if my skills align with your team's needs.

Professional Experience

JUNIOR DATA SCIENTIST(PROJECT WORK), *NGO "CENTRE FOR URBAN STUDIES"*   10/2023 – 11/2023
Collected and analyzed survey data using SPSS and Excel, producing visuals for the   Remote
project's report.

Hackathons

Mentor, LUTES Hackathon   11/2025
Guided teams on version control and agile task division.

Winner – Qt Hackathon at Hive, *Qt Group*   08/2025
Developed Android app with Qt integration, worked with sound and visuals.

Best Gameplay, Hive Game-Jam, *Hive Helsinki*   05/2025
Designed raylib-based game in C.

Education

BSc Computational Engineering & AI, *LUT*   09/2025 – Present
Finland

Hive Helsinki Software Engineering programme, *Hive Helsinki*   02/2025 – Present
Completing the core curriculum of 42 school — 12 month project-based program   Helsinki, Finland
focused on C/C++, algorithms and networks. Involves mandatory team projects.

Exchange Student, *University of Helsinki, Lund University*   09/2023 – 01/2025

BA Sociology, *Taras Shevchenko National University of Kyiv*   09/2021 – 09/2024
Degree on pause. GPA: 93.08/100   Kyiv, Ukraine

Projects

Mini Ray Tracer 🔗   07/2025 – 08/2025
A minimal raytracing engine wrote in C using MLX42

IRC server 🔗   09/2025 – 10/2025
Written in C++20, manages clients, channels, and commands. Plus, a bot that connects
to servers, joins channels, responds to commands, and kicks users for swearing.

Minishell 🔗   06/2025 – 07/2025
This project recreates the basics of a Unix shell, handling commands, redirections,
pipes, and more.

Technologies I worked with

- Python
- C
- C++
- Go
- R(Tidyverse)
- Makefile
- Linux
- Docker
- Matlab
- Git

Courses

Data Analytics course (Power BI, Python, SQL, Excel)   10/2024 – 05/2025

Questionnaire Design for Social Surveys, *University of Michigan(Coursera)* ⧉   05/2022

Introduction to Statistics, *Stanford University(Coursera)*   05/2022

Languages

English (C1, IELTS 7.5)   Finnish (Elementary)   Ukrainian (Native)