

# Mathias Ödlund

Troms og Finnmark | Alta, 9511  
mathiasodlund@protonmail.com | +47 476 41 773

## Education

**Alta videregående skole** / Medier og kommunikasjon  
August 2020 - Dd ALTA

### **CS50 AI: Introduction to Artificial Intelligence with Python**

The course explores the concepts and algorithms at the foundation of modern artificial intelligence, diving into the ideas that give rise to technologies like game-playing engines, handwriting recognition, and machine translation. Through hands-on projects, students gain exposure to the theory behind graph search algorithms, classification, optimization, reinforcement learning, and other topics in artificial intelligence and machine learning as they incorporate them into their own Python programs.

### **Computer Science 50: Introduction to Computer Science**

Harvard University's introduction to the intellectual enterprises of computer science and the art of programming for majors and non-majors alike, with or without prior programming experience. An entry-level course taught by David J. Malan, CS50x teaches students how to think algorithmically and solve problems efficiently. Topics include abstraction, algorithms, data structures, encapsulation, resource management, security, software engineering, and web development. Languages include C, Python, SQL, and JavaScript plus CSS and HTML.

## Programming

### **Web development**

- React.js, Next.js, Vue.js, Svelte/Sveltekit.
- HTML, Pug, Ejs.
- CSS, Sass, Tailwind CSS, Material UI, Bootstrap 5.
- Express.js, Laravel.
- Flask, Django, FastAPI.
- GraphQL, REST.
- Node.js, Deno.js

### **Server maintenance and databases**

- Nginx, AWS, Apache.
- MySQL, SQLite, MongoDB, Redis, PostgreSQL
- BCC (eBPF Tracking tools), Oatuh2
- Debian Linux, Arch Linux, Fedora Linux

## Job experience related to programming

### **Freelancer** / Full-stack web development

August 2020 - Now Mumbai

### **Automation consulting** / Improving productivity

December 2021 - January 2022 Oslo

## Languages

- Norwegian (Native)
- English (Fluent)