

Oscar Fu

Software Developer

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About me

Passionate and inquisitive student that is deeply interested Free, Libre and Open Source softwares, Unix-like Operating Systems, using Arch, Alpine and Gentoo Linux. I like using C to write variety of CLI programs, and using TypeScript/JavaScript writing websites. I am always enthusiastic to learning new technologies and eager to strengthen my foundation in software development.

Technical skills

Frameworks

- React
- Next.js

Languages

- TypeScript
- JavaScript
- C
- POSIX Shell
- Python
- HTML
- CSS
- SQL
- Java
- Kotlin

Tools

- Linux
- Git
- OpenSSH
- GnuPG
- Neovim/Vim
- MongoDB
- Maven
- Gradle
- QEMU (PCI passthrough)
- Nginx
- SQLite

Cloud

- Vercel
- Netlify

Awards

- 🏆 UK Intermediate Maths Challenge — Silver
- 🏆 UK Senior Maths Challenge — Bronze

Education

University of Nottingham

BSc Computer Science

Sep 2026 -

A Level — Nottingham University Academy of Science and Technology

Maths (A*) · Computer Science (A) · EPQ (A) · Further Maths (B) · Physics (B)

Sep 2023 — July 2025

GCSE — Nottingham High School

Computer Science (9) · Further Maths (A) · Maths (9) Physics (9)

Sep 2021 — July 2023

Projects

zsm

End-to-end encrypted chat protocol and messaging application with a focus on security and decentralization.

ccc

Fast minimalist TUI file manager written in C, optimized for speed and size.

apm

Lightweight pass(1)-style password manager.

Cath

Popular npm package for utility functions — 8000+ downloads.

NXC Host

Next.js web platform providing file hosting, URL shortener, and pastebin services.

NYX (cath.exe)

Discord bot for CODM stats — deployed in 1100+ servers.

Lilase

Minecraft mod for auction flipping — 3000+ downloads.

90s

Minimalist, dependency-free shell with syntax highlighting and customizability.

bob

Binary-only package manager designed for simplicity and portability.

Work Experience

ONYX Insight

- 🔧 Tested Python scripts
- 📊 Organized data in Excel

July 2023

Devtank

- 🔧 Reviewing codebase and made contributions
- 🐧 Working in Linux environment

July 2024

Interests

- 🔧 Building own software
- ⚙️ Optimizing compilers
- 🐧 Developing in Unix-like systems
- 🔒 Online privacy & Cryptography