

Oscar Fu

Software Developer

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.

Education

A Level (Sep 2023 - Present)

Nottingham University Academy of Science and Technology

Computer Science - A* (Predicted)

Further Maths - A (Predicted)

Maths - A (Predicted)

Physics - B (Predicted)

GCSE (Sep 2021 - July 2023)

Nottingham High School

Computer Science - 9

Further Maths - A

Maths - 9

Physics - 9

Chemistry - 8

Geography - 8

History - 8

Design Technology - 7

Biology - 7

English Literature - 6

English Language - C

Projects

Note - All my project's source code are available on Codeberg

- Cath - npm package for providing useful functions with more than 8000 downloads
- NXC Host - Next.js website to host files, shorten URLs and paste codes
- NYX - Discord Bot for CODM statistics with more than 1100 servers
- Lilase - Minecraft Mod for auction flipping, with more than 3000 downloads
- rush - Minimalist, customizable shell with syntax highlighting
- noted - Minimalist note manager with user friendly features
- ccc - Fast and minimalist TUI file manager aimed for speed
- apm - Simple pass(1) implementation for managing password
- bob - Binary only package manager

Work Experience

ONYX Insight (July 2022)

- Testing Python Scripts
- Using Excel to organise data

Personal Information:

Website: night0721.xyz

Email: night@night0721.xyz

PGP: [957D67B8DB7A119B](https://keybase.io/night0721/pgp_keys.asc)

GitHub: [night0721](https://github.com/night0721)

Codeberg: [night0721](https://codeberg.org/night0721)

SourceHut: [night0721](https://sourcehut.net/users/night0721)

LinkedIn: [night0721](https://www.linkedin.com/in/night0721)

Skills:

Frameworks: React, Next.js, Express

Languages: TypeScript, JavaScript, C, POSIX Shell, Python, HTML, CSS, SQL, Java, Kotlin

Tools: Linux+coreutils, Git, OpenSSH, GnuPG, Neovim, Vim, IntelliJ Idea, VS Code, Visual Studio, MongoDB, Make, Maven, Gradle, QEMU(PCI Passthrough)

Cloud: Vercel, Netlify

Awards:

UK Intermediate Maths Challenge

- Silver

UK Senior Maths Challenge

- Bronze

Super-Curriculars:

VEX Robotics Club

UK Bebras Challenge

British Informatics Olympiad

Oxford University Computing Challenge

Interests:

Building own software

Optimizing compilers

Developing in Unix-like systems

Online privacy

Cryptography

Racket Sports: Tennis, Squash, Badminton, Table Tennis(tennis at county level)