Dylan Coxshall

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Computer Science student at the University of Birmingham, with a focus on systems engineering and computer security.

Top Skills

- **Languages** – Experience in Python (Pandas and NumPy), C, C++, Rust, and JavaScript (React.js and Node.js)
- **Environments** – Experience with Windows and Linux (Ubuntu and Arch)
- **Networking** – Port forwarding for web and FTP server hosting, as well as remote access via SSH. Currently in the top 6% of TryHackMe users

Work Experience

Data Annotation (Remote)
Data Annotator   05/2023-Present

Wrote specialized input for machine learning models to train from. This included writing code in Python, C and C++ to solve intermediate software engineering problems (including writing automated tests), as well as performing elementary data analysis using Python and Excel.

Camp Moosilauke, Orford NH, United States (On-site)
Summer Camp Counsellor   06/2023-08/2023

Worked with other camp counsellors to provide an authentic summer camp experience. This included working with management to coordinate trips away from camp as well as leading groups of campers on river trips.

Personal Projects

Dylstatus - A simple status-bar generator for the i3 Window Manager
Dylstatus is a replacement for i3status, and is designed to provide system information to the user on the desktop. Writing dylstatus was my first exposure to interacting with an external API (i3bar Input Protocol) and provided invaluable experience in software engineering.

Dyledit – A lightweight, no-dependencies, terminal-based text editor written in pure Python.
Dyledit is a simple terminal-based text editor, in a similar vein to Vim and Emacs. Developing it gave me a brilliant insight to how development in Python works, and the editor works so cleanly that it now makes up my suite of regularly-used tools, due to how easy it is to use. I have plans to rewrite it in Rust.

Education

BSc Computer Science, Graduating in 2027, University of Birmingham, UK (On track for First Class)
A Levels: Pate's Grammar School, Cheltenham, UK (A*AAA: Mathematics, Physics, Computer Science, EPQ: "How Do Corporations Track Your Data?")