

Ian Whitfield

email hi@ianw.dev
go to ianw.dev
or github.com/ijwhitfield

About Me

Systems programmer obsessed with pragmatic problem solving. High proficiency in C, Python and Linux, with a huge appetite for learning and an affinity for adaptation. A history of rising to meet challenges without preexisting experience or mentorship. Deep enthusiasm for working in teams and promoting effective communication.

Experience

2020-23 **University of Pittsburgh Grad:** Computer Science Major + Music Minor (3.89 GPA)

- Individual senior project implementing and documenting a new process scheduling algorithm in the Linux kernel over one semester
- Team lead for lag compensated networking in *Game Design and Implementation* in Rust, finishing with a functioning online multiplayer game
- Received an A grade in electives: *Intro to Compiler Design, Intro to Computer Architecture, Intro to Computer Graphics, Software Quality Assurance, Applied Cryptography and Network Security, Programming Mobile Robot Platforms*

2022-23 Professional audio for The Panda Studios and 8Trak Entertainment (600 hours total). Copywriting for Purafied Audio (100 hours).

2021 IT Intern at Renewable Energy Test Center. Various solo projects, including

- A kiosk sign-in system with QR code badges using Django and PostgreSQL
- ESP32 sensor programming and data collection/display with Node-RED, plus PCB design in KiCad for the sensor system
- 3D CAD and 3D printing for several parts used in PV module testing
- Aluminum laser engraving
- Several linux configuration tasks on Raspberry Pi computers

(500 hours).

2019 Principal programmer for a study at Santa Clara University. Data parsing and participant experience implementation in Python and Javascript (100 hours).

Other: Self-taught programmer at age 10, ambitious, curious, and motivated.
Eagle Scout, camp counselor, de facto team leader.
Grocery store worker, farmer's market vendor, mower of lawns.

Thank you for the opportunity, I look forward to hearing from you!