

CHRISTOPHER ODOM

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Software Engineer

WORK EXPERIENCE

- 06/20 – 08/20 **Software Engineer** Red Hat
Assisted in web API upgrades to the Ceph Dashboard
Python / CherryPy
- 07/18 – 01/19 **Software Engineer** Draper
Aided in guidance and navigation flight software development by creating tools for hardware and software engineers to test various software and hardware components to comply with strict CRS2 contract requirements (For ISS Resupply)
C / VxWorks / Python / Sockets
- 2018 – 2019 **Lab tech** ECG Lab, Umass Lowell
part time
Aided in CS education research by maintaining and upgrading systems in use at the ECG lab, including the iSense web service and it's associated appinventor plugin
Ruby on Rails / Linux / AWS / Java (Android)

GITHUB PROJECTS

- 2022 **C allocators** <https://github.com/Codom/liballoc>
Created an stb-like interface for polymorphic allocators in a single C header
C / TDD
- 2022 **Stupid Server** <https://github.com/Codom/stupid-server>
Stupid Simple http server built on top of simple socket primitives in the Zig programming language
Zig / HTTP / html

EXTRA-CIRRICULARS

- 2021-2022 **Projects in GameDev**
I filled this gap year up with a bunch of projects in order to teach myself low level graphics programming, none of which are localized to a single project I can show, but include the following:
- Development of various entity systems interacting with SDL
 - Playing with libplacebo (C rendering framework for MPV)
 - Completion of the Vulkan Tutorial
- C++ / Zig / glsl / Vulkan
- 2019 – 2020 **Fedora on Raspberry Pi**
Built a classroom-ready Fedora base install that could be used on the Raspberry Pi by students
- Bootstrapped Fedora Minimal into a useful dev environment using scripts
 - Researched Fedora Remix image generation
- C / Shell Scripting / Linux Userspace
- 2019 – 2020 **CCDC**
Worked in a fast paced environment in order to propel our school's ccdc team into the NECCDC regional
- Shell Scripting / Linux Defensive SecOps

EDUCATION

- 2017 – 2020 **Undergrad Coursework** University of Massachusetts Lowell
Relevant Coursework: Comp I – IV, Grad OS, Architecture, Asm