

Christopher Odom

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Work Experience

RedHat

- Ceph Storage Software Engineering Intern
June 2020 — August 2020
- Assisted in updating the Ceph dashboard API
 - Web development using CherryPy
 - *Linux* and *Python*
 - REST-ful APIs

Draper

- Flight software testing Co-op for CRS2
July 2018 — January 2019
- Created a testing platform to test hardware in critical environments
 - Testing hardware and critical path software
 - *C* and *Python* programming
 - *VxWorks*

iSense

- Android and Web developer for isenseproject.org
May 2018 — Aug 2019
- Android/Java programming
 - Ruby on Rails
 - *AWS*

Relevant Coursework in Computer Science

- University of Massachusetts Lowell, Lowell MA
Sept 2017 — June 2021
85 credits towards BS
Relevant Coursework:
- Graduate OS
 - Directed Study in Defensive Security
 - Directed Study in Linux

Skills

Languages

- C, C++, Java, Python, Zig

Tools

- docker, unix stdutils, gdb, git

Personal Projects

2D Game Engine

- December 2021 — Current Day
- Batched rendering using orthographic projection
 - Hardware accelerated graphics using vulkan
 - Engineering in the zig programming language

Immediate mode toolkit

- October 2021 — Current Day
- Using *SDL_Render* and *Zig*
 - Uses compile time reflection to convert a tree data structure into a functional application.

Academic Projects

Fedora Raspberry Pi Improvements

- August 2019 — May 2020
- Fedora Linux Remixing
 - GPIO programming
 - *Shell Scripting*

Professional

- Communication, Teamwork, Ability to learn