

Christopher Odom

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Experience

Data Labeler for Software Data Annotation, Remote – US November 2023 – Present

- Labelled datasets for coding and data-science workflows
- Created various workflows to optimize deploying projects in React, Android, Python, and C++
- Leveraged AI to build various file-hosting, music streaming, and blogging apps

Software Engineering Intern, Red Hat – Westford, MA June 2020 – August 2020

- Implemented product improvements to Ceph Dashboard API

Software Engineering Intern, Draper – Cambridge, MA June 2018 – Jan 2019

- Designed and implemented a test-application framework for hardware based compliance testing on a CRS2 platform.
- Learned to build custom ioctls to integrate special hardware tests to an offline data collection pipeline.
- Created custom internal tooling to collect data and configure specialized tests.

Projects

2D Game Engine 2023 - 2024 (Unpublished)

- Developing a 2D game engine built on top of Raylib that leverages several technologies to help create compelling narratives
- Interactive event-based asset management using inotify on linux
- Custom async requests library using a curl worker thread
- Custom script language and data format for dialogue systems
- Tools Used: Zig, C, Raylib, Curl, Gitea

Personal Website github.com/codom/codom.github.io

- Simple landing page I use to experiment with web development
- Historically built using a makefile, now I use vue.js and related build tools
- Tools used: vue.js, three.js, glsl, Python, Github Actions

Guitar Amp Sim github.com/Codom/SimpleGuitarAmp

- Implemented filter algorithms in order to simulate a guitar amp
- Packaged to support any DAW with CLAP support (ie, Bitwig)
- Tools Used: Zig, C

Additional Experience

Caretaker (2021-2024): Assisted family for end-of-life planning.

CCDC (2020): Participated in a competitive regional cybersecurity competition

Technologies

Languages: C++, C, Java, SQL, JavaScript, Python, Zig

Software: Git, Github, Linux, Docker, Podman, LLVM

Education

University of Massachusetts, Lowell, BS in Computer Science Sept 2017 – May 2021

- **Coursework:** Computer Architecture, Operating Systems, Analysis of Algorithms, Foundations of CS