

Devin Pohl

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🐙 Shizcow • 🏠 Shizcow • 🌐 www.pohldev.in

I am a 3rd year undergraduate Computer Engineering student at Colorado State University pursuing a Bachelor's degree.
I have a passion for programming and electronics, driven to better the world through open source and cutting-edge applications.

Education

Colorado State University

Fort Collins, CO

Graduating May 2022

- *Bachelor of Science in Computer Engineering, Minors in Mathematics and Computer Science*
 - **Relevant Coursework:** Software Engineering, Operating Systems, Algorithms and Optimization, Low Level Programming, VSLI, Analog and Digital Circuit Construction, Signals and Systems
 - **ECE Outreach** Exciting Middle and High School students about Electrical and Computer Engineering by teaching seminars on programming, leading in-class workshops on robotics, and building eye-catching electronics demos
 - *Digital Team Lead:* Organizing events, overseeing projects, collaborating with other Outreach teams, and networking across CSU

Technical Skills

- **Programming Languages:**
 - Procedural ARM Assembly, Bash, C, Fish, Matlab, MIPS, Verilog
 - Object-Oriented Arduino, C++, Java, JavaScript, Python, Rust, VBS
 - Functional Lisp, Elisp, L^AT_EX
- **Libraries and Frameworks:**
 - Graphical Native X11, XCB, Cairo, Pango, Unicode CLDR, GTK, Qt, Android API, ncurses
 - Computational GMP, OpenCL, OpenGL, Rink.rs, Sagemath
 - Web Based Rocket.rs, ReactJS, VueJS, NodeJS, ExpressJS, jQuery

Work Experience

Software Engineering Intern

Fort Collins, CO

May 2020 – Aug 2020

- *Hewlett Packard Enterprise – NonStop Manageability Team*
 - Improved and optimized OSM, the main application for maintaining, updating, and upgrading NonStop servers
 - Migrated critical security procedures from CLI to GUI, cutting down on time overhead and human error for end-users
 - Worked in Java, using Swing, AWT, RMI, and several internal HPE libraries

Programming Instructor

Fort Collins, CO

Jul 2019 – Aug 2019

- *Tech Corps*
 - Lead multiple week long summer camps aimed at Middle and Elementary School Children
 - Prepared and delivered material covering programming fundamentals, theory, and applications
 - Delivered lessons and projects in Scratch, MIT App Inventor, and Python

Accounts Receivable Admin

Fort Collins, CO


Jun 2019 – Sept 2019

- *Centennial Consulting Group*
 - Posted payments for homeowners and organizations, prepared deposits, and processed change of ownership
 - Wrote, tested, and shared time-saving software across the company

Notable Projects


hotpatch

v0.3.0 Released Feb 2021

- 🐙 Shizcow/hotpatch  docs.rs/hotpatch
 - Rust crate for cross-platform hot-reloading of functions and methods at runtime as easily as possible
 - Guarantees memory safety, thread safety, type correctness, and namespace parity


dmnu-rs

v5.5.1 Released Dec 2020

- 🐙 Shizcow/dmenu-rs  arch::aur::dmenu-rs
 - A program launcher, unit-aware calculator, spellchecker, search engine dispatcher, and general purpose menu for Linux
 - A port of the popular GNU utility dmenu to Rust, offering increased speed, lower memory usage, and extensive plugin support
 - Over 2000 users and 100+ stars on GitHub

CSU Scheduler

v1.12.2 Released Jan 2020

- 🐙 Shizcow/csu-scheduler  www.csuscheduler.com
 - Unofficial class schedule editor for Colorado State University
 - Create, test, save, and share schedules in one powerful tool