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**
Bachelor of Science in Computer Engineering, Minors in Mathematics and Computer Science — *Graduating May 2022*
- **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**, LaTeX
- **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**
Hewlett Packard Enterprise – NonStop Manageability Team — *May 2020 – Aug 2020*
- 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**
Tech Corps — *Jul 2019 – Aug 2019*
- Lead multiple week long summer camps aimed at Middle and Elementary School students
- 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**
Centennial Consulting Group — *Jun 2019 – Sept 2019*
- 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
- Guarentees memory saftey, thread saftey, type correctness, and namespace parity

dmenu-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