Devin Pohl

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○ Shizcow • ⋀ Shizcow • ⊕ www.pohldev.in

I am a rising senior 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, Minor in Mathematics, Minor in Computer Science   *Graduating May 2022*
- **Relevant Coursework:** Computer Micro-Architecture, Software Engineering, Operating Systems, VSLI,
  Algorithms and Optimization, Low Level Programming, 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, OpenMP, OpenCL, OpenGL, Rink.rs, Sage
  - Web Based   Rocket.rs, ReactJS, VueJS, NodeJS, ExpressJS, jQuery

Work Experience

Platform Engineering Intern   **Fort Collins, CO**
Hewlett Packard Enterprise – NonStop Low-Level Team   *May 2021 – Present*
- Designing a performance modeling library to prove the feasibility of enterprise-grade RDMA without dedicated hardware
- Working in C++ with InfiniBand and NSK to invisibly apply modifications to existing benchmarks

Software Development 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

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
- Thousands of 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