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, Minor in Computer Science *Graduating May 2022*
- **Relevant Coursework:** Analog and Digital Circuit Construction, VSLI, Software Engineering, Low Level Programming, Robotics, Data Structures and Optimization, 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

Technical Skills

- **Programming Languages:**
  - Procedural   ARM Assembly, Bash, C, Matlab, **Verilog**
  - Object-Oriented   Arduino, **C++**, Java, **JavaScript**, Python, **Rust**, VBS
  - Functional   Lisp, Elisp, LaTeX
- **Libraries and Frameworks:**
  - Graphical   Native X11, XCB, Cairo, Pango, GTK, Qt, Android API, ncurses
  - Computational   GMP, OpenCL, OpenGL, Sagemath
  - Web Based   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 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**
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

dmenu-rs **v5.4.0 Released Jul 2020**
 Shizcow/dmenu-rs *arch::aur::dmenu-rs*
- A program launcher, unit-aware calculator, spellchecker, and general purpose menu for Linux
- A port of the popular GNU utility dmenu to Rust, offering increased speed, lower memory, and extensive plugin support
- Currently working on migrating from Xlib to XCB/Cairo/Pango to offer increased flexibility and modularity

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

- **Miscellaneous Rust Projects:**
  - smatrix: *The Matrix* terminal wallpaper, but it's live-updating stock prices   arch::aur::smatrix Shizcow/smatrix
  - overrider-rs: Rust crate focusing on overriding functions, methods, and more   Shizcow/overrider
  - proc_use: Rust crate for compile-time dynamic imports and dependency management   Shizcow/proc_use