

Devin Pohl

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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, Fish, 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*