

# Devin Pohl

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I am a 3<sup>rd</sup> 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, L<sup>A</sup>T<sub>E</sub>X
- **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
  - 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