

# Devin Pohl

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I am a undergraduate computer engineering student in my sophomore year of a bachelor's degree at Colorado State University. I have a passion for programming and electronics, with a drive 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:** Circuit Theory and Application, Software Engineering, Low Level Programming, Data Structures, Electricity and Magnetism, Robotics, Sensors and Systems
- **CSU Circuits:** Outreach program to Middle and High Schools aimed at exciting future Electrical and Computer Engineers through projects, demos, workshops, and lessons on programming and electronics
- **Ram Robotics Club:** Experience with all aspects of robotics, from design, to implementation, to marketing

## Technical Skills

- **Programming Languages:**
  - Procedural (Assembly, Bash, C, Matlab, Verilog)
  - Object-oriented (Arduino, C++, Java, JavaScript, Python, Rust)
  - Functional (Lisp,  $\text{\LaTeX}$ )
- **Libraries and Frameworks:**
  - Web Based (ReactJS, VueJS, NodeJS, ExpressJS, jQuery)
  - Graphical (GTK, Qt, Android API)
  - Computational (OpenCL, OpenGL, Tensorflow)
- **Software:**
  - Computer Aided Design / Animation (Blender, Solidworks)
  - Technical (Quartus, LabView)

## Work Experience

### 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 deployed time-saving software across the company

### Programming Instructor

Fort Collins, CO

#### ◦ Tech Corps

Jul 2019 – Aug 2019

- Lead week long summer camps aimed at Middle and Elementary School Children
- Prepared and delivered material covering programming fundamentals, theory, and applications
- Covered material and projects in Scratch, MIT App Inventor, and Python

### Sales Representative

Farmington, NM

#### ◦ Sprint by Brightstar

Jan 2019 – May 2019

- Performed electronic and software repairs on phones and tablets
- Maintained overwhelmingly positive reviews by customers and clients

## Notable Projects

### CSU Scheduler

v1.12.1 Released Jan 2020

#### ◦ 🐙 [www.github.com/Shizcow/csu-scheduler](https://github.com/Shizcow/csu-scheduler)

🌐 [www.csuscheduler.com](https://www.csuscheduler.com)

- Unofficial schedule editor for Colorado State University
- Create, test, save, and share schedules in one powerful tool

### Rustracer

Ongoing

#### ◦ 🐙 [www.github.com/Shizcow/rustracer](https://github.com/Shizcow/rustracer)

- A GPU accelerated Whitted ray tracer written in Rust

### Cad Projects

- Solidworks – Megaminx Render and solve 📺 [www.youtube.be/vw6sNYsvsbU](https://www.youtube.be/vw6sNYsvsbU)
- Blender – VEX Dual Differential Transmission Render 📺 [youtu.be/SVo7KuS9RZo](https://youtu.be/SVo7KuS9RZo)
- Blender – Textured Single Source Static Transmission Render 📺 [youtu.be/u3VCtng2CNw](https://youtu.be/u3VCtng2CNw)