

## Austin Vancil

720-539-2771

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Morrison, CO

### Education:

Bachelor of Science in Mechanical Engineering, 3.22 GPA  
*University of Colorado Boulder*

August 2019 - May 2024  
*Boulder, Colorado*

### Project Experience

University of Colorado Senior Design – The Vibe Table

August 2023 – May 2024

- Oversaw logistics and communication between professors, students, and clients. Included setting up meetings, recording and sending meeting notes, asking questions and providing work updates via email.
- Used SolidWorks for design, prototyping and execution of 80/20 aluminum frame including vibration isolators, casters and custom blue paint job. Modeled and prototyped a plastic housing for all Oil pump motor and vibration isolator control along with LCD screen displaying real time Oil Flow rate.
- Used a 3 axis Mill to manually machine Magnesium Plates, Aluminum Framing and various Steel components.
- Developed and organized Bill of Materials for electrical, pneumatic and frame-based subassemblies.
- Developed technical reports and presentations, including Preliminary Design, Manufacturing, Test Plan and Financial Reviews to convey the successes and shortcomings of the project to clients.

### Work Experience:

Engineering Intern

May 2022 – July 2022

*Comptek Technologies*

*Aurora, Colorado*

- Set up assembly line workstations and Kanban's to fix production line inventory issues for the Zenfi Link-NYC project which created towers to bring 5G network access throughout New York City.
- Developed a step-by-step instruction manual for multiple electronic power regulation subsystems to be built by hand by future employees including a list of materials and tools required.
- Organized warehouse floor layout for smoother operation and space utilization using the AutoCAD floor plan tool to maximize employee productivity and manufacturing flow.

Software Intern

May 2021 – August 2021

*Faraday Enterprises*

*Boulder, Colorado*

- Helped develop a preliminary website layout for a parking services platform using HTML and CSS.
- Helped develop the early stages of the product, from concept generation, through to the prototype, discovering what it takes to make a parking services website from scratch.

General Maintenance Worker

June 2020 – August 2020

*Lazy S Stables*

*Lafayette, Colorado*

- Developed strong work ethic from jobs included mowing lawns, repainting fences, loading, and unloading hay bales, and making sandstone gardens.

### Leadership/Teamwork:

University of Colorado Cross Country/Track & Field Team

August 2019 – June 2024

- Served as a Cross-Country Representative on the Student Athlete Advisory Committee (SAAC) to help athletes on my team have a voice and help develop leadership skills.
- Achieved Two Time NCAA First Team All-American status and Two PAC-12 Team Championships in Cross Country.
- Developed a hard-working attitude, practical time management skills and effective team-collaboration.

**Certifications:** Passed NCEES Fundamentals of Engineering Exam, SolidWorks Associate Level Certification.

**Key Skills:** HTML, CSS, C++, MATLAB, EES, SolidWorks, OnShape, AutoCAD, Bild, Microsoft Excel, Microsoft Word, Microsoft Teams, LabView, Arduino, 3D Printing, Adaptive, Flexible, Organized, Team Focused, Goal Driven.

**Languages:** English (Native), French (fluent).