

ANDREW BEITER

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EDUCATION

University of Colorado, Boulder, CO

2018 - Present

Major: Bachelor of Science in Mechanical Engineering

Expected Graduation: May 2022

Minors: Astrophysical and Planetary Sciences, Philosophy

Cumulative GPA: 3.44, Past Term GPA: 3.86, Cumulative Hours Passed: 89

TECHNICAL SKILLS

Computer Skills: MATLAB, C++, Mathematica, Java, MS Excel, CAD (SolidWorks Associate Certification), VESC Tool, Arduino, 3D Modeling and Printing

Hands On: Laser Cutting, Mills, Lathes, Prototyping, LiPo Batteries, Electronic Speed Controllers, Electric Motors, Soldering, 3D Printing, Circuit Design, Woodworking (Band Saws, Sanders, Drill Presses, Chop Saws, etc.), Arc Welding, Oxy-Acetylene Cutting Torches, Angle Grinders

PROJECT EXPERIENCE

DIY Electric Longboard

2018

- Learned to use a Vedder Electronic Speed Controller to control a brushless 6355 190KV electric motor, programmed using VESC Tool software, controlled using a pulse position modulation wireless remote.
- Affixed a drive train system to a regular longboard to allow it to utilize an electric longboard motor.
- Gained experience working with Lithium Polymer batteries, which were used to power the motor.

First Year Projects, Team Member – “The Ascender” Powered Snowboard

2018

- Utilized electronics skills gained in making an electric longboard to be a valuable resource to the team, overseeing all electronics involved in the project.
- Worked on a team of six peers to successfully submit all required deliverables by given deadlines.
- Produced and presented informative poster at project exposition, effectively conveying details of project in an easy to understand manner.
- Assisted in manufacturing and prototyping drive train system and battery containment system, as well as methods of attaching both to the snowboard.

WORK EXPERIENCE

Delivery Driver, Uber Eats, Boulder, CO

2019 – Present

- Effectively communicated with customers as well as restaurant workers in order to maximize speed, efficiency, and customer satisfaction
- Made and managed my own schedule

Assistant Golf Instructor, University of Texas, Austin, TX

2016 – 2018

- Assisted the Golf Instructor of the University of Texas Informal Series, Beginner 1 and Beginner 2 Classes.
- Conveyed ideas and tips in an easy to understand way for people with a small amount of experience with golfing.

Property Maintenance, Oak Hill Mini Warehouses, Austin, TX

2015 - 2018

- Performed various tasks as assigned by Oak Hill Mini Warehouses’ property manager.