**Anna Anderson**

**589 Jesse Way, Grand Junction, CO 81507 │970-201-3947│anna.anderson@colorado.edu**

**EDUCATION**

University of Colorado Boulder

Pursuing a B.S. in Electrical and Computer Engineering, expected graduation May 2020

Engineering Honors Program

*Significant Coursework:*

* Embedded Systems
* Digital Logic
* Programming of Digital Systems
* Electronic Design Lab
* Computer Organization
* Operating Systems

**TECHNICAL SKILLS**

* Soldering, circuitry experience, Arduino, 3D printing
* C++, embedded C, Ruby, MATLAB, COSMOS, Eagle, Python, OnShape, LaTex, Microsoft Office

**RELEVANT EXPERIENCE**

**Tactile 3D Book,** The Device Girls Spring 2016

* Designed and delivered an assistive technology product to a client with special needs in the Boulder community
* Implemented hall effect sensors and buttons triggering sound to increase potential overall understanding
* Developed skills to work within a group and tailor a semester long project to effectively meet a client’s needs

**Co-Founder,** 4944 Hi-Fives FIRST Robotics Team Fall 2013 to Spring 2015

* Founded and helped lead my high school team resulting in multiple honors and the ability to compete at the World Championships the team’s rookie year
* Initiated multiple programs throughout the Grand Valley, fostering STEM in an educational environment that previously had little to no programs of its kind

**WORK EXPERIENCE**

**Recitation Leader for Freshman Honors Engineering Course** 08/2016 – present

* Facilitated and mentored the critical thinking and self-reflection of a group of younger students

**Teaching Assistant for First Year Engineering Design Course** 08/2016 – 05/2017

* Developed valuable leadership and instruction skills catering to a variety of learning styles
* Led Arduino and soldering workshops

**Software Intern for Ball Aerospace** 05/2017 – 08/2017

* Ball Intern Remote Sensing Team: developed a sensor suite and dynamic temperature control with an Arduino for a high-altitude balloon payload
* Helped design and document internal control documents and automate document generation with a Makefile
* Integrated internal control documents with telemetry server

**Software Intern for Ball Aerospace** 05/2018 – 08/2018

* Ball Intern Remote Sensing Team: developed a sensor suite integrated with a RockBLOCK to Tweet from increasing altitudes on a high-altitude balloon payload as well as communicate telemetry live to a ground station
* Updated and maintained a code base as it moved to a different OS and compiler while

**Discovery Learning Apprentice** 08/2017 – present

* Developed and tested high speed CPU/GPU code for electromagnetic modeling

**ACTIVITIES**

Golden Buffalo Marching Band / Buffalo Basketball Band / Campus Band Fall 2015 – present

Coffee Bar Tzar Fall 2017 – present

* Maintain a coffee/tea bar for Andrews Hall. This involves purchasing inventory, teaching students how to use the espresso machine/good practices in the kitchen, and facilitating community