Anna Anderson

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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