

## EDUCATION

### **University of Colorado Boulder**

Aug 2013 – Aug 2018 anticipated

Majors: **Computer Science**

**Technology, Arts & Media**

**Engineering Honors Program**

**BOLD Scholar**

GPA: **3.589**

## OTHER EXPERIENCE

### **CU Boulder Society of Women Engineers**

#### ***Director of Middle School Outreach***

Aug 2017 – May 2018

- Contacted nearby K-12 schools and liaised with teachers to arrange SWE outreach events
- Managed the SWE Outreach Committee by organizing meetings, training committee members, and overseeing outreach events

#### ***Outreach Committee Member***

Aug 2016 – May 2018

- Arranged events, planned lessons, coordinated volunteers, and led activities at SWE outreach events at various local schools, introducing and teaching STEM-related topics to K-12 students

### **Senior Projects Capstone – Team Lead**

Aug 2016 – May 2017

- Built a MEAN stack web app that generates study questions from photos of textbook pages and presents them in a quiz interface
- Managed sponsor's expectations, set long-term goals, organized meetings, delegated tasks, coordinated team members, and reviewed work

### **CU Boulder Critical Encounters Course**

#### ***Recitation Leader***

Aug 2015 – Dec 2015

- Led a recitation group of five students in a literature/philosophy course for students in the Engineering Honors Program

## AWARDS

### **Society of Women Engineers - Region i**

#### ***Male Supporter of the Year Award***

Jan 2018

- Awarded to a man who "has created an environment that supports women engineers' full participation and acceptance in the engineering field."

## WORK EXPERIENCE

### **Trimble Inc. – SketchUp Intern**

May 2017 – Aug 2017

- Wrote package recipes for the Conan C/C++ package manager
- Switched SketchUp's Xcode and Visual Studio projects to use Conan packages for most third-party libraries
- Tested various computer vision APIs to determine the feasibility of automatically tagging SketchUp models uploaded to 3D Warehouse

### **ANSYS, Inc. – Software Engineering Intern**

May 2016 – Aug 2016

May 2015 – Aug 2015

- Wrote unit tests, created a new unit testing tool, recorded failures, debugged C# and C++ source code, and wrote documentation
- Wrote example programs for the Python scripting tools of ANSYS Electronics Desktop software

### **Colorado Space Grant Consortium**

#### ***Electrical and Power Systems Engineer***

Jan 2014 – Sep 2014

- Designed and implemented the electrical systems on the HASP payload for the HELIOS III mission to capture images of the sun
- Lead and managed the Electrical and Power Systems sub-team

### **CU Boulder Office of IT – IT Service Analyst**

Sep 2013 – Feb 2014

- Provided phone, email, walk-in, and remote technology support in a call center environment to CU affiliates

## TECHNICAL SKILLS

### **Languages and tools**

Git • Unix • Python • C/C++ • HTML • CSS  
JavaScript • jQuery • React.js • Angular • MEAN  
Xcode • Swift • Visual Studio • Android Studio  
Illustrator • After Effects • Photoshop

### **Coursework**

data structures • computer systems • operating systems  
algorithms • databases • object-oriented programming  
numerical computation • computer graphics  
web development • mobile app development  
animation • sound design • music composition  
graphic design • 3D modeling • digital photography