

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 – Current

- 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 – Current

- 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