Ryan Tabler

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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 studentsin 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