Education	Missouri University of Science and Technology	August 2009 – May 2013
	B.S. Computer Science	**Major GPA: 3.23**
	B.S. Computer Engineering	**Major GPA: 3.73**
	Minor in Mathematics	Cumulative GPA: 3.009

Professional Experience

Microsoft Corporation   Redmond, WA
Software Engineer   July 2013 – Present
- Works with a feature team to design, build, and test new features.
- Development and optimization of testing automation (C#) and infrastructure.
- Maintenance of several specific test deployments for different customer environment scenarios.
- Create and assess the effectiveness of automated and manual test plans.
- Sole owner of many product areas, including almost all testing for an entire product.
- Orchestrate and organize testing with an offsite vendor team to increase our throughput.
- Participant in BlueHat security conference, bringing knowledge back to team for improvement.
- //oneweek Hackathon project developed into full product feature.
- Submitted a patent application for a new idea to utilize technologies.
- Acted as head recruiter for several recruiting trips to Universities.
- Intern coordinator in charge of organizing dozens of events for about 30 interns.

National Information Solutions Cooperative (NISC)   Lake St. Louis, MO
Programming Intern   May 2011 – December 2012
- Worked with other interns to develop an end-user software package from start to finish, integrating our system to use data from other systems.
- Utilized mainly Java and Google Web Toolkit, and light use of PHP and Javascript.
- Worked closely with cloud clusters, using Ganglia to generate cluster statistics for our program to display.
- Continued to work remotely after internship – using Java and GWT, mainly performing various bug fixes in existing software.
- Regularly assigned change requests to fix and submit.
- Mentored the new interns, helping them take their own project from start to finish.
- Presented final product in formal presentation to company heads.
- Developed 3-4 independent projects from concept to reality.
- Learned several new programming languages on the fly.
- Introduced to distributed computing and storage.
- Gleaned valuable insight on group mechanics.

Product Innovation and Engineering, L.L.C.   Rolla, MO
Undergraduate Research Assistant   October 2010 – May 2011
- Developed on an industry-grade project that guides and analyzes laser deposition of a 3D model.
- Program and interface were written in C#, which I was commonly tasked with fixing and testing.
- Interfacing with the Open CASCADE software development platform was a heavy component of this project.
- I was our primary contact with an external consulting group that we worked with to develop several algorithms.
- First-hand experience with the difficulties in taking a concept and producing a physical product.
- Learned how to communicate officially and professionally.
- Introduced to new coding platforms and styles.

Additional Experiences	ACM SIG-Game	Rolla, MO

Competitor / Developer   August 2010 – May 2013
- Joined the development team to improve limited Java support
- Modifying the code generator (Python) to allow for better object-oriented designs
- Introduced team to PyCharm IDE and integrated with tools for faster, more reliable development
- Contributed to game design and mechanics for several games
- Significant efforts on testing backend server and client code for competitors to use

Best Buy Co., Inc.   Manchester, MO
Counter Operations Agent (Geek Squad)   September 2008 – January 2012
- I performed basic diagnosis and repair of hardware and software problems
- Commonly offered advice and recommendations; tracked current computing trends.
- Maintained a consistent job through much of High School and College.

Interests

Recruiting and Mentoring	Maker Community	Security and InfoSec
Women in Tech	Puzzles & Coding Challenges	Hackathons
Skiing, Hiking, Soccer	Jazz Trumpet	Planes and Spacecraft

Honors   Member of Kappa Kappa Psi – Honorary Band Fraternity
4 Microsoft shipping awards
ACM Member and SIG-Game Developer
Missouri Higher Education Scholarship (Bright Flight – ACT 31)