Education	Missouri University of Science and Technology	August 2009 – May 2013 (4 years)

B.S. in Computer Science, **B.S. in Computer Engineering**, and a Minor in Mathematics

Experience	Microsoft Corporation	Redmond, WA

Software Engineer   July 2013 – Present
- Develops and optimizes testing automation (C#) and infrastructure.
- Designed, planned, and managed critical migration of massive test case database. (1st of its kind)
- Maintained several specific test deployments needed for testing different customer scenarios.
- Sole owner of many product areas, including all testing for an entire box product.
- Orchestrates testing with an offsite vendor team to increase testing capacity and throughput.
- Filed a patent application for a new application of existing technologies.
- Acts as head recruiter for recruiting trips to several Universities, attending career fairs, etc.
- Intern Social Club Leader: responsible for organizing dozens of events for ~30 interns every summer, and volunteering on Intern Day of Caring at Lambert House LGBTQ Youth Center.
- 2014 Hackathon project recognized and developed into full CRM product feature.
- 2016 Hackathon project recognized and **<<REDACTED>>**. ;)

Technology Education and Literacy in Schools (TEALS)   Issaquah, WA
Volunteer Teaching Assistant   September 2016 - Present
- Teaching high school students AP Computer Science, for them to obtain college credit.
- Developing curriculum (Java), tests, quizzes, homework, labs, grading, etc.
- In-classroom volunteering 3 days/week before ordinary daily work.

Conscious Crew   Seattle, WA
Volunteer Roaming Crew   October 2016 - Present
- Harm reduction non-profit which promotes health and safety in the dance music community.
- First responder to medical and psychological emergencies at large concerts and festivals.
- Keep patrons cool and hydrated, provide protection, interface between crowd and event staff.

National Information Solutions Cooperative (NISC)   Lake St. Louis, MO
Programming Intern / Part Time Developer   May 2011 – December 2012 (1.5 years)
- Created from scratch (Java/GWT) an end-user dashboard which predicted future electric load based on previous usage and other relevant factors like current and upcoming weather patterns.
- The Smart meter data utilized was retrieved from Cassandra cluster and bucketed by Hadoop.
- Worked on internal tooling around cloud clusters, using Ganglia to monitor cluster statistics.
- Mentored the new interns, helping them take their own projects from start to finish.
- Took 3-4 projects from concept to reality; presented final products to company heads.

Product Innovation and Engineering, L.L.C.   Rolla, MO
Undergraduate Research Assistant   October 2010 – May 2011 (6 months)
- Developed an industry-grade program that analyzes, slices, and then guides laser deposition of a powered metal, based on a 3D model. Laser is mounted to a 6-axis robotic manufacturing arm.
- Primary contact with an external consulting group we hired to develop several algorithms.

ACM SIG-Game   Rolla, MO
Competitor / Volunteer Developer   August 2010 – May 2013 (3 years)
- Worked on the development team to improve limited Java support by improving code generator.
- Revised internal tooling and established new standard development tools for the team.
- Significant testing of the backend server and client code competitors use.

Interests	
• Recruiting, Mentoring	• Maker Community	• InfoSec, Privacy
• Women in Tech	• Puzzles & Coding Challenges	• Hackathons
• Skiing, Hiking, Soccer	• Trumpet (Concert, Jazz), Piano	• Planes (earning PPL), Spacecraft
• World Travel	• Electronic Music	• Hobby RC and Multirotors

Certifications, Honors, and Activities

- Life Member of Kappa Kappa Psi, the Honorary Band Service Fraternity
- CPR/AED/First Aid Certified
- Bellevue Community Band Member, Trumpet
- Co-founder of the "Church of the Singularity", a Github org dedicated to creating Deus Ex Machina(s)