

## ***Education***

<b>Washington University in St. Louis</b>	<b>August 2015 - May 2018</b>
Master of Science in Computer Science	<b>Major GPA: 3.4</b>
Bachelor of Science in Computer Science	
Bachelor of Science in Computer Engineering	
<b>St. Mary's College of California</b>	<b>September 2012 - May 2015</b>
Bachelor of Arts in Liberal Arts, Physics Focus (3 + 2 Engineering Program)	
St. Mary's College Division 1 Men's Rugby Club	
• 2014 USA Rugby Division 1 National Champions	
• 2015 USA Rugby Division 1 National Champions	

## ***Technical Skills***

<b>Skilled:</b>	Java, Arduino C, HTML, CSS
<b>Working Knowledge:</b>	JavaScript, MongoDB, Express.js, AngularJS, Node.js, Git
<b>Basic Knowledge:</b>	SQL, Ruby on Rails, Python, MATLAB

## ***Experience***

<b>Washington University in St. Louis – St. Louis, MO</b>	
<i>Head Teaching Assistant (Data Structures and Algorithms)</i>	<b>November 2016 - Present</b>
• Manage student repositories, TA scheduling, hold office hours, recitation, answer student questions	
<b>Freelance Web Development</b>	<b>August 2016 - Present</b>
• Consult and design websites for small businesses; wireframes, site goals, SEO keywords, and optimum functionality	
<b>G3 Enterprises (E&amp;J Gallo Winery Partner Company) - Modesto, CA</b>	
<i>Electrical Engineering Intern, G3 Corporate Engineering</i>	<b>June 2016 - August 2016</b>
• Constructed detailed floor plans of plant and machine layout and designed duct system to transport waste	
• Designed HMI and PLC for cork printing automated machinery and transformer room information panels	
• Created SOP for refractive window dryer with step-by-step testing protocol and diagrams for easy use by operator	
• Analyzed cap transportation; implemented feeding change resulting in 40% improvement of yield	
<i>Engineering Intern, Mobile Bottling Division</i>	<b>June 2014 - August 2014</b>
• Assisted bag-in-box wine trial; reduced dissolved oxygen introduced to the product by 20% of industry standard	
• Created bottling process revisions to eliminate choke points caused by inefficient machinery or time management	
<b>E&amp;J Gallo Winery - Modesto, CA</b>	
<i>Control Systems Engineering Intern, Corporate Engineering</i>	<b>June 2015 - August 2015</b>
• Designed PLC system to automate wine tank ON/OFF valves and flow pressure during product cycles and cleaning	
• Relocated and organized plant machine set variables in Excel by pulling data from control database and archives	
<i>Engineering Intern, Global Customer Services and Logistics</i>	<b>June 2012 - August 2012</b>
• Organized and led Kaizen to evaluate a systematic error in international processing, improved process time by 60%	
<b>Gallo Glass Company - Modesto, CA</b>	
<i>Engineering Intern, GGC Engineering</i>	<b>June 2013 - August 2013</b>
• Led research, scope of work writing, contracting for \$300k project to reuse water and create zero discharge facility	

## ***Projects/Extracurricular Activities***

<b>Arduino Fitbit Clone</b>	<b>November 2016</b>
• Created fitness tracker with PC communication protocol, step, sleep, and temperature tracking, user interface	
<b>Class Advisor Web App</b>	<b>October 2016 - Present</b>
• Developing MEAN Stack web application to connect WUSTL students for class registration mentoring/advice	
<b>Twitter4J Research Project: Using Twitter API for Geolocation</b>	<b>September 2016 - Present</b>
• Developing Java tool with Twitter4J library, Twitter API to map tweet geolocation data to webcams via RESTful API	
<b>Echocardiogram Design Project</b>	<b>February 2016 - May 2016</b>