Tony De La Nuez

tony.delanuez@gmail.com | 209-761-9676 | linkedin.com/in/tonydelanuez
Portfolio Site: tonydelanuez.com
GitHub.com/tonydelanuez

Education

Washington University in St. Louis	**August 2015 - May 2018**

Master of Science in Computer Science
Bachelor of Science in Computer Science
Bachelor of Science in Computer Engineering

St. Mary's College of California	**September 2012 - May 2015**

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

Skilled:	Java, Arduino C, HTML, CSS, Amazon Web Services, UNIX/LINUX
Working Knowledge:	JavaScript, MongoDB, Express.js, AngularJS, Node.js, PHP, Git
Basic Knowledge:	C++, SQL, Ruby on Rails, Python, MATLAB

Experience

Washington University in St. Louis – St. Louis, MO
Head Teaching Assistant (Data Structures and Algorithms)   **November 2016 - Present**
- Manage student repositories, TA scheduling, hold office hours, recitation, answer student questions

Freelance Web Development   **August 2016 - Present**
- Consult and design websites for small businesses; wireframes, site goals, SEO keywords, and optimum functionality

G3 Enterprises (E&J Gallo Winery Partner Company) - Modesto, CA
Electrical Engineering Intern, G3 Corporate Engineering   **June 2016 - August 2016**
- 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

Engineering Intern, Mobile Bottling Division   **June 2014 - August 2014**
- 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

E&J Gallo Winery - Modesto, CA
Control Systems Engineering Intern, Corporate Engineering   **June 2015 - August 2015**
- 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

Engineering Intern, Global Customer Services and Logistics   **June 2012 - August 2012**
- Organized and led Kaizen to evaluate a systematic error in international processing, improved process time by 60%

Gallo Glass Company - Modesto, CA
Engineering Intern, GGC Engineering   **June 2013 - August 2013**
- Led research, scope of work writing, contracting for $300k project to reuse water and create zero discharge facility

Projects/Extracurricular Activities

Arduino Fitbit Clone   **November 2016**
- Created fitness tracker with PC communication protocol, step, sleep, and temperature tracking, user interface

Class Advisor Web App   **October 2016 - Present**
- Developing MEAN Stack web application to connect WUSTL students for class registration mentoring/advice

Twitter4J Research Project: Using Twitter API for Geolocation   **September 2016 - Present**
- Developing Java tool with Twitter4J library, Twitter API to map tweet geolocation data to webcams via RESTful API

Echocardiogram Design Project   **February 2016 - May 2016**