Tony De La Nuez
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Education

Washington University in St. Louis **August 2015 - May 2018**
Master of Science in Computer Science **Major GPA: 3.4**
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
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**