

TONY DE LA NUEZ

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SKILLS

SKILLED WORKING KNOWLEDGE BASIC KNOWLEDGE

Java, Arduino, HTML, CSS, JavaScript, Swift, AWS, UNIX/LINUX, PHP, Node.js, ExpressJS, MySQL, Git
C++, MongoDB, Python, Socket.IO, AngularJS, C, ExpressJS, Docker
ReactJS, Ruby on Rails

EDUCATION

2018	Washington University in St. Louis M.S. Computer Science B.S. Computer Engineering B.S. Computer Science Graduate Certificate in Data Mining and Machine Learning Advanced Coursework: Microcontrollers, Web Application Development, Computer Architecture, Systems Software, iOS Development, OOP Development Lab (C++), Video Game Development
2015	St. Mary's College of California BA Liberal Arts + Physics Focus (3+2 Engineering Program) 2014, 2015 D1A USA Rugby National Champions Advanced Coursework: Modern Physics, Computational Physics (MATLAB), Mathematical Modeling (Python)

EMPLOYMENT

Jun 2017 to Present	BlackRock, Inc. - San Francisco, CA Summer Analyst Assisting in development of a distributed web application for 30K+ users in Python, Angular Automating critical business workflow to reduce unnecessary steps using UNIX scripts
May 2017 to Present	Cornell Consulting, LLC - St. Louis, MO Software Development Consultant Collaborated on design and implementation of full stack multi-site image search solution using PHP and MongoDB on Linux
Nov 2016 to Present	Washington University in St. Louis - St. Louis, MO Creator, Instructor (Data Structures and Algorithms Seminar / WUCode) Created and currently instruct university course to test 50+ students on data structures and algorithms implementations in a fast-paced development environment, utilizing pair programming and on-the-spot code review
Nov 2016 to Present	Head Teaching Assistant (Data Structures and Algorithms) Manage 300 student repositories, 50+ TAs, hold office hours, provide additional lectures, answer student questions
Jun 2016 to Aug 2016	E&J Gallo Winery – Modesto, CA Electrical Engineering Intern, G3 Corporate Engineering Designed HMI and PLC for factory equipment and wrote SOP for step-by-step testing protocol
Jun 2015 to Aug 2015	Control Systems Engineering Intern Designed PLC system to automate wine tank ON/OFF valves and flow pressure during product cycles and cleaning
Jun 2014 to Aug 2014	Production Engineering Intern, G3 Mobile Bottling Assisted bag-in-box wine trial; reduced dissolved oxygen introduced to the product by 20% of industry standard
Jun 2013 to Aug 2013	Mechanical Engineering Intern, Gallo Glass Led research, scope of work writing, contracting for \$300k project to reuse water and create zero discharge facility
Jun 2012 to Aug 2012	Engineering Intern

PROJECTS

Mar 2017 to Apr 2017	WatchAlong - (Node.js Web Application) Created a web app allowing users to create YouTube playlists and take real-time rendered Markdown, PDF exportable notes
Mar 2017 to Mar 2017	Socket.IO Chat Web App - (Node.js, Socket.IO Web Application) Utilized web sockets to build a chatroom application with multiple room functionality, user private messages, admin privileges
Mar 2017 to Apr 2017	GroupUP - (iOS Application) Built iOS app which allows students to connect with groups around campus, chat integration with Firebase and JSQMessages
Feb 2017 to Mar 2017	MovieMate - (iOS Application) Built iOS app using the OMDB API which allows users to search movies, cache favorites, and find a website to stream movies
Feb 2017 to Mar 2017	News Website - (PHP & MySQL Web Application) Developed a news site in PHP and MySQL with a focus on usability and web security
Oct 2016 to Dec 2016	Arduino Fitbit Clone - (C & Java Application) Created fitness tracker with PC communication protocol, step, sleep, and temperature tracking, user interface