

TONY DE LA NUEZ

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SKILLS

PROGRAMMING LANGUAGES: Java, JavaScript, Python, PHP, C/C++

DATABASES: MySQL, PostgreSQL, MongoDB

WEB: HTML, CSS, AngularJS, ReactJS, Flask, Django

SERVERS / DEPLOYMENT: LAMP (Apache), Node.js, Unix, Linux, Docker, AWS (EC2, S3), NGINX

DATA SCIENCE: scikit-learn, Hadoop MapReduce, Apache Spark

EDUCATION

Washington University in St. Louis

M.S. Computer Science

B.S. Computer Engineering

B.S. Computer Science

Cert. Data Mining and Machine Learning

Expected Graduation: May 2018

St. Mary's College of California

B.A. Liberal Arts + Physics

3+2 Engineering Program

2014, 2015 D1A USA Rugby National Champions

SELECTED PROJECTS

Meteonote.io

Launched productivity app built in JavaScript (with jQuery), Node.js and deployed with NGINX on Ubuntu Linux - supports sessions, real-time Markdown rendering and PDF export of notes and embedded YouTube playlists

GlobalHack - Code with a Cause

Designed and implemented Python Flask and PostgreSQL REST API back-end for app built to track employee timesheets

Web Socket Chatroom

Utilized web sockets to build a chatroom application with multiple room functionality, user private messages, admin privileges

GroupUP

Built iOS app which allows students to connect with groups around campus, chat integration with Firebase and JSQMessages

VOLUNTEERING

Hack the Hood

June 2017 - Aug. 2017

San Francisco, CA

Introduced low-income youth of color to careers in tech by teaching the fundamentals of web design, development, and professional skills and training them to build websites for real small businesses in their own communities

EMPLOYMENT

Atlassian

Software Engineer - Site Reliability (Bitbucket) · July 2018 - Present

BlackRock, Inc.

San Francisco, CA

Summer Analyst · June 2017 - Aug. 2017

Assisted in development of web app written in Python (Django), Angular 2

Developed algorithm and parser to determine similarity percentages between JSON documents

Automated critical business workflow to reduce unnecessary steps and security issues using Python and T-SQL

Led effort to overhaul internal open source system with repository management scripts and web portal

Cornell Consulting, LLC

San Francisco, CA (Remote)

Full Stack Web Developer · May 2017 - Aug. 2017

Collaborated on design and implementation of full stack multi-site image search solution using PHP and MongoDB on Linux

Washington University in St. Louis

St. Louis, MO

Instructor · Nov. 2016

Created and currently instruct university course to test 80+ students on data structures and algorithms implementations in a fast-paced development environment, utilizing pair programming and on-the-spot code review

Head Teaching Assistant · Nov. 2016 - Present

Manage 300 student repositories, 50+ TAs, hold office hours, provide additional lectures, answer student questions for WashU's Data Structures and Algorithms course

E&J Gallo Winery

Modesto, CA

Electrical Engineering Intern · June 2016 - Aug. 2016

Designed HMI and PLC for factory equipment and wrote SOP for step-by-step testing protocol

Automation Intern · June 2015 - Aug. 2015

Designed PLC system to automate wine tank ON/OFF valves and flow pressure during product cycles and cleaning

Production Engineering Intern · June 2014 - Aug. 2014

Assisted bag-in-box wine trial; reduced dissolved oxygen introduced to the product by 20% of industry standard

Mechanical Engineering Intern · June 2013 - Aug. 2013

Led research, scope of work writing, contracting for \$300k project to reuse water and create zero discharge facility

Engineering Intern · June 2012 - Aug. 2012

Organized and led Kaizen to evaluate a systematic error in international product roll-out and improved process time by 60%