ANDREW NGUYEN

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EDUCATION

Santa Clara University

M.S., Software Engineering, '20
Engineering Management and Data Science

B.S., Computer Science and Engineering, '19
Back-End Development | ***GPA: 3.93***

HONORS/AWARDS

Dean's List *(2016-2018)*
Distinguished First-Year Student

RELEVANT COURSEWORK

Graduate

Managing Gender & Engineering
Machine Learning & Data Analysis *(Current)*
Truth, Deduction, & Computation *(Fall)*
Project Management *(Fall)*

Undergraduate

OO Programming & Adv. Data Structures
Algorithms
Database Management Systems
Written & Oral Technical Communication
Progamming Languages
Statistics & Probability
Embedded Systems
Electric Circuits
Digital VLSI IC
Software Engineering *(Fall)*
Computer Networks *(Fall)*

SKILLS

Languages

C/C++, SQL, Java, Python, JavaScript, PHP

Tools

Linux, Git, Mac, XCode, Eclipse, FPGA,
Synopsys Custom Compiler, Alter Quartus II,
MS Office Suite, Adobe PS/AI

Framworks/Libraries

NumPy, Pandas, Node, React, SciPy, SciKit,
TensorFlow, Ext

Personal

Team-Oriented, Timely-Organized,
Written/Oral Technical Communications,
Creative Problem-Solving

WORK EXPERIENCE

Software Engineer Intern *06/18 - Current*
Fujitsu Network Communications   Sunnyvale, CA
- Implement an intelligence logging algorithm using supervised learning to efficiently filter logs
- Develop a Front-End UI with Ext.Js and Cassandra for users to easily access the log information
- Assess engineering team experiences, assigning work based on team strengths, maximizing project potential

Multivar. Calculus Student Assistant *06/17- 08/17*
Santa Clara University   Santa Clara, CA
- Outline step-by-step guidelines to assist 30 students who encountered challenges in their coursework
- Communicate with students to work out study plans to improve test-scores for over 50% of the class

PROJECTS

Optimal Itinerary Generator *06/18 - Current*
Senior Design Project
- Project planning phase of developing the algorithm to create an itinerary generator that utilizes Google Maps API and Yelp API to produce the most optimal travel itinerary given user input on location and places to visit

Happy Renter's DBMS[PL/SQL, PHP, HTML] *05/18*
- Implemented a BackEnd Database in PL/SQL that stores information on Company Branches, Managers, Supervisors, Lease Agreements, and Rental Properties
- Developed the Front-End UI with PHP and HTML to collect Renter information and display data

AIH[HTML/CSS, JS] *03/18*
LA Hacks 2018
- Built a Back-End API locates nearby hospitals within a radius and push-to-call 911 button
- Developed a Full -Stack Alcohol Informative UI website within 36 hours with no prior knowledge of the skills
- Tools: Bootstrap, Node, Google Maps API, Twilio API

Huffman Coding Algorithm[C] *11/17*
- Implemented binary tree, heaps, priority queues in C to compress and decompress files without lossless data

Arduino Carousel[Arduino, Breadboard] *02/17-03/17*
Project Manager
- Outlined a two-month timeline to design and prototype a carousel that utilizes a button switch, LED lights, servomotors, and speaker
- Programmed and wired the carousel to simutaneously play music and flash lights as the servomotor runs