ANDREW NGUYEN

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EDUCATION

Santa Clara University

M.S., Software Engineering, '20
Data Science | ***GPA: 4.0***

B.S., Computer Science and Engineering, '19
Back-End Development | ***GPA: 3.91***

HONORS/AWARDS

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

RELEVANT COURSEWORK

Graduate

Managing Gender & Engineering
Truth, Deduction, & Computation
Formal Methods in Software Engineering
Law, Technology, & Intellectual Property

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
Computer Networks
Web User Interface and Experience

SKILLS

Languages

C/C++, PL/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

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

Personal

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

WORK EXPERIENCE

Software Engineer Intern *Incoming Summer 2019*
Microsoft Redmond, WA
- Incoming Summer 2019 Intern

Software Engineer Intern *09/18 - 03/19*
Forcepoint Santa Clara, CA
- Implemented a reliable UI to display threat and log reports, improving software readability and functional requirements
- Designed and implemented automated testing, significantly improving testing speed from minutes to seconds
- Parsed and pipelined log information to the endpoint security software to detect malicious processes

Software Engineer Intern *06/18 - 09/18*
Fujtsu 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 in seconds
- Created a syntax highlighting engine to color, highlight, and emphasize important texts in logs, increasing user experience

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[REACT-NATIVE] *06/18 - Current*
Senior Design Project
- Project implementation phase - creating an itinerary generator that utilizes Google Maps API and Foursquare API to produce the most optimal travel itinerary given a list of attractions considering travel time and time spent at each attraction

SCU Alumni Event Portal[PL/SQL, PHP, HTML] *09/18 - 11/18*
- Developed an SCU Alumni Events portal for alumni to post, edit, and check-in to listed events
- Implemented a secure web-platform for a username/password log-in database with Alumni verification
- Planned and executed an eight week project with Agile development process
- Frequently communicated with clients to report status update and requirements prioritization