

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: 3.93**

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
Programming 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

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

Incoming Summer 2019

Microsoft

Redmond, WA

- Incoming Summer 2019 Intern

Software Engineer Intern

09/18 - Current

Forcepoint

Santa Clara, CA

- Current Fall 2019 - Winter 2019 Intern
- Develop a data-loss preventive Google Chrome plugin that scans and blocks uploaded email attachment files containing sensitive data
- Implemented a UI to display threat, log, and scan reports when detecting the sensitive information

Software Engineer Intern

06/18 - 09/18

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 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

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

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 web-platform for a username/password log-in database with Alumni verification upon creating an account
- Planned and executed an eight week project development phase and communicate with client for requirements
- Provided different actions and tools between different users