

# ANDREW NGUYEN

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## EDUCATION

### Santa Clara University

M.S., Software Engineering, '20

*Data Science | GPA: 4.0*

B.S., Computer Engineering, '19

*Back-End Development*

## HONORS/AWARDS

Dean's List (2016-2018)

Magna Cum Laude

Distinguished First-Year Student

## RELEVANT COURSEWORK

### Graduate

Managing Gender & Engineering  
Truth, Deduction, & Computation  
Formal Methods

Law, Tech, & Intellectual Property  
Project Management

### Undergraduate

OO Programming  
Adv. Data Structures  
Algorithms  
Database Management Systems  
Written & Oral Technical Communication  
Programming Languages  
Statistics & Probability  
Software Engineering  
Computer Networks  
Web User Interface and Experience

## SKILLS

### Tools

Linux, Git, Mac, XCode, Eclipse,  
MS Office Suite, Adobe PS/AI

### Languages

JavaScript, C/C++, PL/SQL, Java, Python,  
PHP, React-Native

### Frameworks/Libraries

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

## WORK EXPERIENCE

### Software Engineer Intern-Identity

06/19-Current

Microsoft

Redmond, WA

- **Worked directly on the 3P App Registration Product**
- Developed a quickstart automatic application registration configuration feature, allowing users to seamlessly configure their application with MS ID Platform
- Resolved 10+ different browser support issues with web workers to ensure product quality for B2C customers
- Increase customer feedback response for a new blade experience by implementing a prompt-after-save feedback notification
- Implemented telemetry tracking to collect and run A/B test queries and analytics to improve the user experience

### Software Engineer Intern-Security

09/18 - 03/19

Forcepoint

Santa Clara, CA

- Implemented a reliable UI to display threat and log reports, improving readability and core functional requirements
- Developed automated testing, significantly improving testing speed from minutes to seconds
- Utilized parallel programming to parse, pipeline, and detect malicious activity from user logs

### Software Engineer Intern

06/18 - 09/18

Fujitsu Network Communications

Sunnyvale, CA

- Implemented an intelligence logging algorithm using supervised learning to efficiently filter logs
- Developed 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

## PROJECTS

### Optimal Itinerary Generator [REACT-NATIVE]

06/18 - 06/19

Senior Design Project

- Developed a mobile application that produces an optimal itinerary given a list of attractions, considering travel time and time spent at each attraction.
- Utilized Google Distance Matrix API and Foursquare API

### C Compiler [C++/Assembly]

04/19 - 06/19

- Developed a Simple C Compiler that parses and tokenizes C code, performs lexical analysis, parsing of ambiguous grammar, type checking, scoping, and translation to assembly code
- Generates assembly code for function parameters, global, and local variables with proper storage allocation and deallocation
- Compiler is compatible with integer, long, string, void and structure data types