

# Alan Yee

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## WEBSITE



## EDUCATION

### UC SAN DIEGO

BS IN MATH-COMPUTER SCIENCE

June 2018 | La Jolla, CA

Provost Honors

### KIPP KING COLLEGIATE

June 2014 | San Lorenzo, CA

Summa Cum Laude

## LINKS

Github:// [alanyee](#)

LinkedIn:// [alanyee](#)

Keybase:// [alyee](#)

## COURSEWORK

### UNDERGRADUATE

Quantum Information (Graduate)

Programming Languages

Operating Systems

Design and Analysis of Algorithms

Automata Practicum

Software Engineering

Advanced Data Structures

Theory of Computability

Discrete Mathematics

Object-Oriented Design

UNIX Lab

### ONLINE

Machine Learning

Cryptography

Algorithms: Design and Analysis

Data Science

Quantum Computation

## SKILLS

### PROGRAMMING

Python • C++ • Go • Rust

SQL • Ruby • JS • Java • HTML

Haskell •  $\LaTeX$  • Bash • PHP • CSS

### TECHNOLOGIES

AWS • Google Cloud Platform • Docker

Terraform • Jupyter • Git • Linux

TensorFlow • Ruby on Rails • Flask

## WORK EXPERIENCE

### INTUIT | SOFTWARE ENGINEER

June 2018 – Present | Mountain View, CA

### SAN DIEGO SUPERCOMPUTER CENTER | RESEARCH ASSISTANT

Mar 2015 – June 2018 | La Jolla, CA

- Develops software in Python and C++ for an international data placement lab
- Boosts and tests an experimental network protocol over high-speed networks that span between continents and states

### INTUIT | SECURITY ENGINEER INTERN

June 2017 – Sept 2017 | San Diego, CA

- Collaborate with Threat analysts in the Red team, using machine learning algorithms to defend against adversaries and monitor Dark Web activities

### INTUIT | SOFTWARE ENGINEER INTERN

June 2016 – Sept 2016 | San Diego, CA

- Dived into TCP/IP and network programming in Python, SQL, and Ruby with the Product Infrastructure and Network Automation team
- Automated processes to gather data from networks for data mining

### SAP LABS | SOFTWARE DESIGN AND ENGINEER INTERN

June 2015 – Aug 2015 | Palo Alto, CA

- Migrated on-premise and Amazon Web Services (AWS) analytical solutions to new cloud platform through XSJS, Node.js, SQL, and Jenkins for the Platform Solutions Team and the Startup Focus Team (SFP)
- Created a company tutorial website on the Hana Cloud Platform with HTML5 and Bootstrap for the internal integration of telepresence robots

### ACCENTURE TECHNOLOGY LABS | SUPPORT ANALYST

June 2014 – Aug 2014 | San Jose, CA

- Worked on the Data Insights Research and Development Group to create data visualizations of over 675,000 chess endgames using a Python parser and D3.js
- Collaborated with the Digital Experience Research and Development Group to construct an IoT security device through REST API based on MVC architecture of MongoDB, Jade, and Mongoose through Node.js framework
- Developed a side project running Django, PostgreSQL, and Selenium

### MARTINEZ RESEARCH GROUP AT STANFORD | RESEARCH INTERN

June 2013 – Aug 2013 | Stanford, CA

- Improved the back-end of the NVIDIA GPU-based quantum chemistry simulation, TeraChem, and made the haptic interface more reliable and accurate, through C and C++
- Improved graphics and responsiveness of VMD Chem, the front-end UI connected to TeraChem, through Tcl

## VOLUNTEER

### ARTIFICIAL INTELLIGENCE GROUP | RESEARCH ASSISTANT

Nov 2014 – Feb 2015 | La Jolla, CA

- Developed IPython (pre-Jupyter Notebook) and dc.js frontend for topic modeling software