

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++ • Golang • C • 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 • CICD

WORK EXPERIENCE

INTUIT | SOFTWARE ENGINEER

June 2018 – Present | Mountain View, CA

- Develop, maintain, and lead projects surrounding internal services, APIs, and SDKs (Python, Golang, C++) for the Red Team and security automation
- Automate security infrastructure in Python, Terraform, Docker, and AWS
- Perform penetration testing based on CVEs and other common exploits
- Analyze web traffic and internal data to combat adversaries via BigQuery
- Host and record an internal course for teaching practical applications of Python and general software engineering best practices

SAN DIEGO SUPERCOMPUTER CENTER | RESEARCH ASSISTANT

Mar 2015 – June 2018 | La Jolla, CA

- Developed software in Python and C++ for an international data placement lab
- Boosted and tested an experimental network protocol over high-speed networks

INTUIT | SECURITY ENGINEER INTERN

June 2017 – Sept 2017 | San Diego, CA

- Collaborated with Threat analysts in the Red Team, using machine learning algorithms to defend against adversaries and monitor Dark Web activities, using Tensorflow, scikit, and Google BigQuery

INTUIT | SOFTWARE ENGINEER INTERN

June 2016 – Sept 2016 | San Diego, CA

- Delved 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 using Fluentd

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

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