

Alan Yee

alyee@ucsd.edu | 510.928.9903

WEBSITE



EDUCATION

UC SAN DIEGO

BS IN MATH-COMPUTER SCIENCE

June 2018 | La Jolla, CA

Revelle College

KIPP KING COLLEGIATE

June 2014 | San Lorenzo, CA

Summa Cum Laude

LINKS

Github:// alanyee

LinkedIn:// alayee

Keybase:// alayee

COURSEWORK

UNDERGRADUATE

Quantum Information (Graduate)

Programming Languages

Operating Systems

Design and Analysis of Algorithms

Automata Practicum

Software Engineering

Advanced Data Structures

Theory of Computability

Abstract Algebra

Object-Oriented Design

UNIX Lab

ONLINE

Machine Learning

Cryptography

Algorithms: Design and Analysis

Data Science

Quantum Computation

SKILLS

PROGRAMMING

Python • C++ • SQL • C • Java

Ocaml • Haskell • Javascript • \LaTeX

HTML • CSS • Ruby • Bash

TECHNOLOGIES

TensorFlow • Google Cloud Platform

Markdown • Microcontrollers • Linux

Git • MVC • REST • Flask • Bootstrap

WORK EXPERIENCE

INTUIT | SECURITY ENGINEER INTERN

June 2017 – Sept 2017 | San Diego, CA

- Run machine learning algorithms for cyber security

SAN DIEGO SUPERCOMPUTER CENTER | RESEARCH ASSISTANT

Mar 2015 – Present | 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 | 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 analytical solutions to new cloud platform through XSJS, Node.js, SQL, and Jenkins for the Platform Solutions Team and the Startup Focus Team (SFP)

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
- Mentored five fellow interns and guided them through their own projects

MARTINEZ RESEARCH GROUP AT STANFORD | RESEARCH INTERN

June 2013 – Aug 2013 | Stanford, CA

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

VOLUNTEER

ARTIFICIAL INTELLIGENCE GROUP | RESEARCH ASSISTANT

Nov 2014 – Feb 2015 | La Jolla, CA

- Developed Jupyter Notebooks and dc.js frontend for topic modeling software

CLUBS AND ACTIVITIES

EVE SECURITY | CO-PRESIDENT

Oct 2014 – Present | La Jolla, CA

- Organizes and runs security-related workshops with an average of 40 undergraduates attending each one

SIGINT | MEMBER

Nov 2014 – Present | La Jolla, CA

- Competes in Capture the Flag (CTFs), information security competitions