

# Addison Chan

Cybersecurity • Full Stack Product • Software Engineering

## EDUCATION

### Piedmont Hills High School, San Jose

August 2014 • May 2018

Magna Cum Laude, 3.9 UW GPA, 4.45 weighted GPA

### University of California, Berkeley

June 2017 • August 2017

A+ in CS 61A: The Structure and Interpretation of Computer Programs

### University of California, Berkeley

May 2018 •

B.A. in Computer Science

## EXPERIENCE

### President, California Scholarship Federation

Piedmont Hills High School, April 2015 • PRESENT

Coordinated major annual events. Managed club of several hundred members to help with poverty.

### Captain, Math Team

Piedmont Hills High School, May 2014 • PRESENT

Organized events for the math team. Created presentations that taught new topics of math not covered in traditional classroom settings.

### Developer, Okpy

University of California, Berkeley, August 2017 • PRESENT

Contributed and collaborated with staff to fix bugs for Berkeley's Okpy Autograder, serving thousands of students daily.

### Student Tutor, Piedmont Hills High School

Piedmont Hills High School, August 2017 • PRESENT

Taught students a variety of subjects, ranging from Calculus to English, after school in Piedmont Hills's Tutoring Center.

### Competitive Karate, FSKA

Funakoshi Shotokan Karate Association, 2005 • 2010, 2015 • PRESENT

Black belt in Shotokan Karate. Competed in several tournaments, winning several gold medals.

### AV Manager, Photographer, Teacher, Shine Character Camp

Ark Baptist Church, Summer 2014, 2015, 2017

Managed audio equipment for a camp of 100 students, took photos and edited them through professional software, and taught character traits.

**SPOKEN LANGUAGES** • English • Mandarin Chinese • Taiwanese • Spanish  
**LANGUAGES** • Python • Java • Perl • Bash • SQL • JS • HTML/CSS • Haskell • Git  
**STACK** • Flask • Node.js • Angular.js • MongoDB • Bootstrap • jQuery • Nginx • Unix shell

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## PROJECTS

### UC Berkeley CS 61A

Developed a simulator and bot for *Hog*, a dice game.

Used k-means algorithm to create clusters of restaurants on a map.

Wrote a clone of *Plants vs. Zombies*

Developed a Scheme (Lisp variant) interpreter.

### AP Computer Science

Wrote a program that calculates matrix operations, including solving them to Row Echelon Form.

Visualized several different sorting methods to compare them.

Wrote a MEAN stack mancala game with multiplayer online support.

## RECOGNITION

National AP Scholar, May 2017

AP Scholar with Distinction, May 2017

CSF Advisor Award, April 2017

PHHS Junior Honoree, May 2017

National Honor Society, August 2017

## AWARDS

1st Place, Reading Comprehension, Berryessa Chinese School, Jan. 2015

1st Place, Impromptu Speech, Berryessa Chinese School, Jan. 2016

1st Place, Chinese Translation, Berryessa Chinese School, Jan. 2017

Gold, Black Belt 13-17, FSKA Spring Tournament, May 2017

Gold, Mixed Competition, FSKA Spring Tournament, May 2017

1st Place, Santa Clara Valley Mathematics Association (SCVMA) Senior Competition, December 2017

## PUBLICATIONS

[Okpy Circumvention](#)