Addison Chan

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LINKS

Linkedin: in/addcninblue

Github: @addcninblue

COURSEWORK

Taken

CS 61A: The Structure and Interpretation of Computer Programs

CS61B: Data Structures

CS70: Discrete Mathematics and Probability Theory

Planned

CS 170: Algorithms

CS 61C: Great Ideas in Computer Architecture (Machine Structures)

SKILLS

Languages

Python • Java • Bash • SQL • JS • HTML/CSS • Haskell • Git• Perl

Stack

Flask • Node.js • Angular.js • MongoDB • Bootstrap • jQuery • Nginx • Unix shell

AWARDS

2nd Place, Harker CTF Competition, Apr. 2018

17th Place of 1000+, NYU CTF, Oct. 2017

National AP Scholar, May 2017

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

National Honor Society, Aug 2017

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

AP Scholar with Distinction, May 2017

CSF Advisor Award, April 2017

EDUCATION

University of California, Berkeley

B.A., Computer Science
GPA: 4.0, Expected: May 2021

EXPERIENCE

Okpy | Developer

University of California, Berkeley, August 2017 • February 2018

- Fixed major bug that caused confusion between students' code and their code revisions as given by TAs.

Piedmont Hills High School | Student Tutor

Piedmont Hills High School, August 2017 • June 2018

- Taught students a wide variety of subjects, including Calculus, Spanish, and Physics.

California Scholarship Federation | President

Piedmont Hills High School, April 2015 • June 2018

- Coordinated major annual events.
- Managed club of 200+ members to help combat poverty.

Math Team | Captain

Piedmont Hills High School, May 2014 • June 2018

- Organized events for the math team.
- Created weekly presentations that explored a vast range of mathematics.

PROJECTS

AtoZ

- Designed a website to train and compete in speed-typing the alphabet.
- Used as training tool for top 7 fastest nationwide.

Mancala

- Used MongoDB, Express, AngularJS, and NodeJS to create a mancala game with multiplayer online support.
- Multiplayer events were handled with Websockets

Bearmaps

- Implemented a maps front-end using data from OpenStreetMap.
- Navigation was implemented through k-d trees and the A* algorithm.

Gitlet

- Designed and wrote Git in Java.
- States taking advantage of serialization and the filesystem for versioning.

Scheme Interpreter

- Developed a Scheme (Lisp variant) interpreter in Python.
- Syntactically tokenized and parsed Scheme, and executed code in Python.