Alan Lam

alanlam00@gmail.com   alanlam.netlify.com   github.com/alan-lam

Education

University of California, San Diego   2015 - 2019

B.S. in Mathematics - Computer Science

Minor in Mathematics Education   GPA: 3.5

Experience

ThoughtSTEM *San Diego, CA*   **June 2018 - August 2018**

Computer Science Mentor, Intern

Assisted middle and high school students with creating projects using various programming technologies (Racket, virtual reality, Python, HTML, Java)

Collaborated with ~30 developers on Morugamu, a programming language packaged as a board game

Generated plots for data visualization of board games on Kickstarter to compare money asked for vs. money received

Lincoln High School *San Diego, CA*   **April 2018 - June 2018**

Math Tutor, Volunteer

Assisted high school students in Integrated Math II

Worked one-on-one with students to help set-up and approach problems involving triangle congruence and similarity

Projects

Web Dev For Beginners [HTML/CSS]

A learning resource website using HTML and CSS

Wrote tutorials to introduce basic elements of HTML and CSS to beginners

Bagels [Java/Android]

An Android app of a simple numbers deduction game

Designed the layout of each activity and implemented functionality for generating hints, displaying to screen, and saving notes

Snake [Python] (Webroot Hackathon)

Multiplayer version of the snake game

Created functions for snake to make smarter decisions against other players

Client-Server Messaging [Java]

A terminal-based messaging application

Used Java Sockets to implement server and client connections

Used threads to connect multiple clients and receive/send messages

Skills

HTML/CSS   Java (incl. Android)   Python   C   C++   Racket