Alan Lam

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Education

University of California, San Diego   2015 - 2019

B.S. in Mathematics - Computer Science

Minor in Mathematics Education   GPA: 3.4

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

Notepad [Java/Android]

An Android app of a simple text editor

Implemented functionality for saving and storing notes to external storage and loading notes from external storage

Intro to CS Tutorials [HTML/CSS]

A series of interactive tutorials for programming

Wrote exercises to introduce basic programming concepts 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

Skills

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