Alan Lam

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Education

University of California, San Diego

B.S. in Mathematics - Computer Science

Minor in Mathematics Education

2015 - 2019

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)

Created a learning resource website using HTML and CSS

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

Bagels (Java)

Created 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

Skills

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