Alan Lam

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alan-lam.github.io

github.com/alan-lam

Education

University of California, San Diego

Minor in Mathematics Education

2015 - 2019

B.S. in Mathematics - Computer Science

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

Snake (Python) [Webroot Hackathon]

Multiplayer version of the snake game

Created functions for snake to make smarter decisions against other players

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

Racket

Skills

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