



Alan Lam

alanlam00@gmail.com | (626) 787-4805

alanlam.netlify.com | github.com/alan-lam | linkedin.com/in/ntrllog

Education

University of California, San Diego Dec. 2020

B.S. in Mathematics - Computer Science GPA: 3.4

Minor in Mathematics Education

Skills

HTML/CSS Java (incl. Android) Python

C C++ Racket

Extracurricular

Eta Kappa Nu (HKN)

- Member of engineering honor society at UCSD

Experience

Computer Science Mentor, Intern @ThoughtSTEM June 2018 - Aug. 2018

- 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

Math Tutor, Volunteer @Lincoln High School April 2018 - June 2018

- 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

Math Tutor, Volunteer @Preuss School April 2017 - June 2017

- Assisted high school students in Calculus
- Worked one-on-one with students to help set-up and approach problems involving integrals

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 notes to external storage and loading and deleting notes from external storage

Client-Server Messaging [Java]

- A terminal-based messaging application
- Implemented server and client connections with Java Sockets
- Successfully used threads to connect multiple clients and receive/send messages

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

Snake [Python] (Webroot Hackathon)

- A multiplayer version of the snake game
- Created functions for snake to make smarter decisions against other players

Made with HTML/CSS

Design inspired by MOO