Alan Lam

aln.netlify.com   linkedin.com/in/ntrllog

all123@ucsd.edu   github.com/alan-lam

Education

University of California, San Diego   Sep. 2015 - Dec. 2019

B.S. in Math-Computer Science | Minor in Math Education   GPA: 3.48

Experience

Computer Science Instructor | ThoughtSTEM   Sep. 2019 - Present

- Leading after school programs designed to teach Racket to students in K-5th grade
- Using language-learning tactics to help students learn programming languages

Computer Science Tutor | UC San Diego   Jul. 2019 - Sep. 2019

- Tutor for CSE 7, Introduction to Programming with Matlab and COGS 18, Introduction to Python
- Guided students through coding labs and assignments
- Designed final exam practice problems and final exam problems
- Created a reading resource explaining classes and objects to help students prepare for the exam

Programming Instructor Aide | UC San Diego Extension   Jan. 2019 - Sep. 2019

- Assisted students with debugging iOS and Android apps

Computer Science Tutor | Self-Employed   Jul. 2019 - Aug. 2019

- Tutor for an introductory Java programming course
- Explained ideas from course lecture notes and helped student to think logically by guiding student through programming exercises
- Designed practice problems to help student prepare for the exam

Projects   more at aln.netlify.com/projects

Notification Reminder [Java/Android] | Google Play Store | GitHub

- An Android app that creates reminders in the form of notifications
- Implemented functionality for creating and deleting notifications from Android's Notification Channel and loading notifications on phone boot

Bagels [Java/Android] | Google Play Store | GitHub

- An Android app of a logic puzzle game
- Implemented functionality for checking input and displaying hints

Lyrical [Java/Android] | GitHub

- An Android app of a music player that shows lyrics
- Implemented functionality for playing audio and showing the lyrics for the corresponding song

Skills

Java	HTML/CSS	Python	MATLAB	Racket	Swift	C	C++
	Git		Android		iOS		Linux