

# Alan Lam

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## Education

University of California, San Diego

Sep. 2015 - Dec. 2019

B.S. in Math-Computer Science | Minor in Math Education

GPA: 3.48

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## 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
- Helped students to think logically by guiding them through coding labs
- Designed final exam practice problems and final exam problems
- Wrote online reading resource explaining classes and objects, which students found helpful

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

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## Projects

more at [aln.netlify.com/projects](http://aln.netlify.com/projects)

Notification Reminder [Java/Android] [GitHub](#)

- An Android app that creates reminders in the form of notifications
- Published on [Google Play Store](#)
- Implemented functionality for creating and deleting notifications from Android's Notification Channel and loading notifications on phone boot

Bagels [Java/Android] [GitHub](#)

- An Android app of a logic puzzle game
- Published on [Google Play Store](#)
- 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

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## Skills

Java

HTML/CSS

Python

MATLAB

Racket

Swift

C

C++

Git

Android

iOS

Linux