

Education

University of California, San Diego

Sep. 2015 - Dec. 2019

Bachelor of Science in **Math-Computer Science** | Minor in **Math Education**

GPA: 3.5

Experience

Computer Science Instructor | ThoughtSTEM | San Diego, CA

Sep. 2019 - Present

- Leading after school programs designed to teach students in K-5th grade how to make games
- Employing language-learning tactics, such as memorization and code decomposition, to teach students how to learn programming languages

Computer Science Tutor | UC San Diego | San Diego, CA

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
- Improved student understanding of course concepts by creating Jupyter notebooks and PowerPoint presentations for explanations and final exam practice problems

Programming Instructor Aide | UC San Diego Extension | San Diego, CA

Jan. 2019 - Sep. 2019

- Assisted high school students with debugging iOS and Android apps
- Learned Swift and Xcode while the instructor presented the lesson

Computer Science Instructor | ThoughtSTEM | San Diego, CA

Jul. 2019 - Aug. 2019

- Co-led a coding bootcamp designed to teach data science using Racket
- Used language-learning tactics, such as memorization and code decomposition, to help students devise algorithms for analyzing data sets
- Presented coding challenges to increase student engagement

Computer Science Tutor | Self-Employed | San Diego, CA

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

MOBAFire Web Scraper [Python] | [GitHub](#)

- A web scraper that grabs League of Legends champion info from the top 3 guides on MOBAFire
- Formats info onto HTML web page and automatically opens in browser
- Utilized multiprocessing to speed up script execution by ~40%

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 Notification Channels
- Utilized Android's service system to allow notifications to load on phone boot

Notepad [Java/Android] | [Google Play Store](#) | [GitHub](#)

- An Android app of a text editor
- Implemented functionality for saving/loading notes, locking notes, and importing/exporting notes to local storage

Skills

Java

Python

MATLAB

HTML/CSS

C

C++

JavaScript

Git

Android

Linux