

Education

University of California, San Diego

B.S. in Mathematics - Computer Science

Minor in Mathematics Education

Sep. 2015 - Dec. 2019

GPA: 3.467/4.0

Awards

- Provost Honors

Skills

- Java (incl. Android)
- HTML/CSS
- Matlab
- Flutter
- Swift
- Racket
- Python
- C
- C++
- JavaScript
- Git
- Linux

Experience

Computer Science Instructor | ThoughtSTEM

Jul. 2019 - Present

- Co-leading a coding bootcamp designed to introduce data science using Racket
- Guiding students through coding exercises

Computer Science Tutor | UCSD CSE Department

Jul. 2019 - Present

- Tutor for CSE 7, Introduction to Programming with Matlab
- Working one-on-one with students to guide them through labs and help them understand introductory programming concepts

Instructor Aide | UCSD Extension

Jan. 2019 - Present

- Assisting high school students with debugging iOS and Android apps

Teaching Apprentice | Kearny High School

Jan. 2019 - Jun. 2019

- Assisted high school students in Integrated Math 3
- Lead classroom instruction with teacher present in classroom
- Worked one-on-one with students to help them apply what they learn in the classroom to solve in-class and homework problems

Computer Science Mentor/Intern | ThoughtSTEM

Jun. 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

Projects

(more at aln.netlify.com/projects)

Notepad [Java/Android]

[Github Link](#)

Notification Reminder [Java/Android]

[Github Link](#)

- An Android app of a simple text editor
- Implemented functionality for saving notes locally and locking notes with a password
- Implemented functionality for exporting/importing notes to/from external storage

- An Android app that creates reminders in the form of notifications
- Implemented functionality for creating, loading, and deleting notifications

ASL Quiz [Java/Android]

[GitHub Link](#)

Bagels [Java/Android]

[GitHub Link](#)

- An Android app quiz of the ASL alphabet
- Implemented functionality for displaying random images after correct input

- An Android app of a numbers-deduction game
- Implemented functionality for generating hints, displaying to screen, and saving notes

Poker [Java]

[Github Link](#)

Snake [Python] (Webroot Hackathon)

- A terminal-based text game
- Designed gameflow for playing against a computer
- Created functions to rank poker hands

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