

Education

University of California, San Diego

B.S. in Mathematics - Computer Science

Minor in Mathematics Education

Expected Graduation: Dec. 2019

GPA: 3.42/4.0

Extracurricular

Eta Kappa Nu (HKN)

- Member of engineering honor society at UCSD

Skills

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

Experience

Instructor Aide @Program Your Future

Jan. 2019 - Present

- Assisting high school students with debugging iOS 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

Math Tutor, Volunteer @Morse High School

Oct. 2018 - Dec. 2018

- Assisted high school students in Power Up Math 1, an elective support course taken in concurrence with Integrated Math 1
- Worked one-on-one with students to help them use their prior knowledge to solve problems and recognize patterns

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)

Web Dev For Beginners [HTML/CSS]	Link	Intro to CS Tutorials [HTML/CSS]	Link
<ul style="list-style-type: none">A learning resource websiteWrote tutorials introducing basic HTML and CSS to beginners		<ul style="list-style-type: none">A series of interactive tutorials for programmingWrote exercises (in Java, Python, C, C++) to introduce basic programming concepts to beginners	
Poker [Java]	Github Link	Bagels [Java/Android]	Github Link
<ul style="list-style-type: none">A terminal-based text gameDesigned gameflow for playing against a computerSuccessfully created functions to rank poker hands		<ul style="list-style-type: none">An Android app of a numbers-deduction gameDesigned the layout of each activity and implemented functionality for generating hints, displaying to screen, and saving notes	
Notification Reminder [Java/Android]	Github Link	CopyText [Java/Android]	Github Link
<ul style="list-style-type: none">An Android app that creates reminders in the form of notificationsImplemented functionality for creating, loading, and deleting notifications using Shared Preferences		<ul style="list-style-type: none">An Android app that is a clipboard managerUsed Shared Preferences to save/load strings of text and copy to the clipboard	
Notepad [Java/Android]	Github Link	Snake [Python] (Webroot Hackathon)	
<ul style="list-style-type: none">An Android app of a simple text editorImplemented functionality for saving notes to external storage and loading/deleting from external storage		<ul style="list-style-type: none">A multiplayer version of the snake gameCreated functions for snake to make smarter decisions against other players	