

## Education

University of California, San Diego  
Bachelor of Science in **Math-Computer Science** | Minor in **Math Education**

Dec. 2019

GPA: 3.5

## Skills

Languages: Python, Java, HTML/CSS, JavaScript, MATLAB, C, C++

Tools/Frameworks/Libraries: Git, Android, Linux, React, Node.js, MongoDB, jQuery, pandas

## Projects

more at [aln.netlify.com/projects](http://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
- Designed a simple GUI and implemented automatic web page formatting to make it easy to use
- Utilized multiprocessing to speed up script execution by ~40%

**CreateTests** [Node.js, MongoDB] | <https://createTests.herokuapp.com/> | [GitHub](#)

- A web application that allows users to create flashcards
- Designed a RESTful API to get tests and update test questions

**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

## Experience

**Computer Science Instructor** | ThoughtSTEM | San Diego, CA

Jul. 2019 - Mar. 2020

- Taught ~80 K-5th students in after school programs how to make games
- Co-led a data science bootcamp of ~30 high school students
- Employed language-learning tactics to teach students how to learn programming languages

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

Jul. 2019 - Sep. 2019

- Tutored for CSE 7, Introduction to Programming with MATLAB and COGS 18, Introduction to Python
- Worked with ~20 students on a weekly basis to guide them 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

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

Jul. 2019 - Aug. 2019

- Tutored 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

**Computer Science Mentor** | ThoughtSTEM | San Diego, CA

Jun. 2018 - Aug. 2018

- Worked with ~50 middle and high school students on a weekly basis in summer camps to debug various Racket applications
- Collaborated with ~30 developers on Morugamu, a programming language packaged as a board game
- Analyzed Kickstarter data to determine the relationship between money asked for and money received on board games