
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++, SQL

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

Projects

more at al.netlify.app/projects

Nimble [Python]

- An internet bot that automates the add-to-cart and checkout process of buying items from online stores
- Utilized threading to run multiple tasks with different payment profiles

CS Tracker [Python, Tensorflow] | [GitHub](#)

- A script that records game statistics from a player's current League of Legends game
- Created an image classifier using Tensorflow to identify numbers from screenshots
- Used matplotlib to generate plots to visualize a player's performance across different games

Summoner-Stats [Python, Flask] | <https://summoner-stats.herokuapp.com/> | [GitHub](#)

- A web application that allows users to search up League of Legends player info
- Utilized the Riot Games API to gather information for player profiles and advanced statistics for individual games

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

- A web application that allows users to create collections of flashcards
- Implemented password-checking functionality for editing flashcard questions and answers

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 in Racket
- Co-led a data science bootcamp of ~30 high school students
- Designed lesson plans to increase student engagement and learning
- 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 Mentor | ThoughtSTEM | San Diego, CA

Jun. 2018 - Aug. 2018

- Worked with ~50 middle and high school students on a weekly basis to debug 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