Alan Lam

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aln.netlify.app
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Education

University of California, San Diego — Dec. 2019
Bachelor of Science in **Math-Computer Science** | Minor in **Math Education** — GPA: 3.5

Skills

Languages: Python   Java   HTML   CSS   JavaScript   MATLAB   C   C++   SQL   C#
Tools/Frameworks/Libraries: Git   Unity   Android   Linux   Node.js   MongoDB   pandas   Flask   React   Flutter

Experience

Software Engineer | Vocareum — Sep. 2020 - Present

Software Engineer | Edthena — Jul. 2020 - Sep. 2020
- Used Jest to write backend tests for the Edthena platform

Game Developer | Creative Wisdom Games — Jun. 2020 - Sep. 2020
- Designed and built mini-games to expand the existing collection of mini-games for Pearls of Wisdom

Computer Science Instructor | ThoughtSTEM — 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
- Employed language-learning tactics to teach students how to learn programming languages

Computer Science Tutor | University of California, San Diego — 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 resources for explanations and final exam practice problems

Programming Instructor Aide | UC San Diego Extension — Jan. 2019 - Sep. 2019
- Assisted high school students with debugging iOS and Android apps

Projects

more at aln.netlify.app/projects

Pearls of Wisdom [Unity, C#]
- A mobile app designed to educate and entertain children
- Designed and built Whack-a-Clam, Seagull Search, and Simon Says mini-games

FF@15 [React] | ff-15.netlify.app | github.com/ntrllog/FF-15
- 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 match statistics
- Created Python scripts to extract JSON data and automate image compression

Creatests [Node.js, MongoDB] | creatests.herokuapp.com | github.com/ntrllog/Creatests
- A web application that allows users to create collections of flashcards
- Implemented password-checking functionality for editing flashcard questions and answers

MemeBot [Python] | github.com/ntrllog/MemeBot
- A Discord bot that allows users to add text to an image with a single message to the chat