Aidan Mara

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SUMMARY

Recent computer science graduate raring to dive into the industry and develop new and interesting technologies. Seeking a developer position at a company with a focus on innovation and creativity, where I can grow and develop as a programmer and a human.

PROJECTS

AI Location Recommender

HangoGo • August 2023 - Present

- In a managed group of 4, built a web application that creates user profiles, and generates a location to hang out with friends or family.
- Back-end development in Python.
- Took advantage of Google Places API and MongoDB, to build a database of over 5 thousand locations with unique features.
- Utilized prior knowledge of TensorFlow and Neural Networks to make a prediction model based on user implicit feedback.
- Integrated WebSockets to project to integrate back-end systems with clients.

Calendar Planner App

https://github.com/aidan-ma316/AndroidPlannerApp • June 2023 - August 2023

- Built an Android planner app, that allows users to create, read, update, or delete reminders for tasks and apply those tasks to user-created groups.
- Learned and used Kotlin to create a robust user interface that looks clean and remains easy to use.
- Utilized Android's Room database library, as well as my previous knowledge of database structure and SQL to create a persistent database for the app.

The Conservatory - Unity-based Tower Defense Game

January 2021 - May 2021

- Built a unity-based isometric 2d tower defense/monster taming game from scratch in C#.
- Lead team decisions and workflow with artists and designers.
- Learned more about 2D game engines, game design, path-finding, and animation.

EDUCATION

Bachelor of Science in Computer Science

California State University - Long Beach • Long Beach, CA • 2024 • 3.65

- Graduated Cum Laude
- President's Honor List for 3/4 semesters attended

Associate of Science in Computer Science

Moorpark College • Moorpark, CA • 2022

COURSEWORK

Artificial Intelligence

California State University -Long Beach • 2024

- Gained knowledge on and built artificial intelligent agents that solved problems using algorithms that are employed in the field.

Database Management and Design

California State University - Long Beach • 2023 • Database Design

- Deployed databases from the ground up, utilizing multiple different frameworks.

Machine Learning

California State University -Long Beach • 2023 • Machine Learning

- Discovered and developed many machine-learning models.
- Linear Regressors, Classifiers, Neural Networks, Image Classification, etc.

Software Design Methodology

California State University -Long Beach • 2023 • Development cycles and Frameworks

- Dove into the world of modern software life cycles and frameworks.

Mobile Design

California State University -Long Beach • 2023 • Project Development

• Employing the Kotlin I had learned in an individual project that allowed me to design a CRUD app.

Computer Science Theory

California State University -Long Beach • 2023

Algorithms

California State University -Long Beach • 2022

Object-Oriented Programming

Moorpark College • 2021

SKILLS

Coding: (Proficient) Python, C++, SQL/NoSQL; (Familiar) CSS, HTML, C, C#, Kotlin, Java

Frameworks and Tools: (Proficient) Git, AGILE, MongoDB, Unity, Data Structures; (Familiar) Tensorflow, NodeJS, Android Studio

Soft Skills: Self-motivation, Problem Solving Skills, Flexibility, Teamwork.

EXPERIENCE

Dishwasher

Camarillo Cupcake   **May 2019 - August 2023, Camarillo, CA**

• Regular shifts would include washing 2 large groups of dishes a day, re-stocking inventory, lifting heavy deliveries, food preparation, making frosting, cleaning the bakery, and closing the store. Occasionally shifts would include delivery, problem solving, working with tools to repair items, and more.

• Help foster a healthy and collaborative team culture with my fellow employees.