Rammohan Ramanathan

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Education

University of California, Santa Cruz - Bachelors of Science Computer Science: Computer Game Design
Sept 2019 - June 2021
- **GPA: 3.8** Achieved with Highest Honors
- Relevant Coursework in: Game AI, Parallel and Concurrent Programming, Game Graphics

De Anza College - Associates in Arts, Emphasis in Behavioral Sciences
Sept 2013 - June 2017

Amazon Web Services - Cloud Practitioner Certification
Dec 2023 - Dec 2026

Objective

I am a Computer Science Graduate seeking work experience and technical knowledge in software development. I believe my skills and general candor will enable me to contribute to a professional team and help both grow myself as a programmer while being a positive force on a project.

Project Work

Seven - UCSC Capstone Project (2021)
During my final Year at UCSC I worked with 2 programmers and 8 members of other disciplines to create a game in the Unity Game Engine. The game was created in the unity engine and written in C#. We followed design principles central to OOP to keep our code modular and easy to utilize with multiple people working under the same framework. I learned the importance of planning, documentation, and communication between my fellow programmers for the systems we created to ensure smooth workflow as the project proceeded.

MCTS - Tic Tac Toe AI (2023)
I prototyped an android app which plates tic tac toe against the user. The first pass of the program was done in C++ and utilizes monte carlo to inform the tic tac toe bot of what moves to perform against the user. The bot utilizes a random rollout strategy. The code was then redone in Java to interface more easily with Android Studio. The app communicates with the Java MCTS files to update the state of the board on screen.

Skills and Technology

- Fluent in C++ with experience in python, C#
- Data Structure and Algorithm knowledge
- Basic knowledge of concurrent programming
- Unity Game Engine
- Github version control
- Experience working in Unix environment

Relevant Links

Linkedin - linkedin.com/in/rammohan-ramanathan | **Portfolio** - ramgmtk.github.io