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. Though I was met with challenges regarding the scope of our project, I was able to effectively communicate to the other disciplines of the team what I felt needed to be done in order to finish on time while having a complete product. I also learned the importance of planning, documentation, and communication between my fellow programmers for the systems we created to set up the base of our game.

MCTS - Tic Tac Toe AI (2023)
By creating a Monte Carlo Search Tree, I was able to create a simplified bot that is capable of playing tic tac toe. The bot uses a simple rollout strategy to explore future game states using only finished game boards as a heuristic to determine the proper move.

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

Interests

Reading - Video Games - Jogging - Self Improvement - Expanding Programming Knowledge

Relevant Links

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