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OBJECTIVE

To obtain a professional software engineering or web developer position that utilizes my relevant programming experience and technical expertise.

EDUCATION

University of California, Irvine – June 2020, School GPA: 3.27

- Bachelor of Science degree in Computer Science (specialization in Information)
- Relevant coursework: data structures and algorithms, software engineering, user interaction software, HCI, databases, programming in C++, intermediate programming in Python, statistics

LANGUAGES / SKILLS

- Python, HTML / CSS / JavaScript, TypeScript, C/C++, Java
- Angular and Ionic Frameworks, Node.js, Express, MongoDB, SQLite

PROJECTS

Snapchat Data Stickers Application

- Worked as part of a UC Irvine research team to develop an Ionic application that incorporates personal informatics data into dynamically rendered stickers to be used in Snapchat
- Overseen by UC Irvine Informatics professor and researcher Daniel Epstein

Mujoco Robotics Simulator Web Interface

- Collaborated with two Stanford Electrical Engineering M.S students to create a socket-based web interface that connected a Mujoco back end in Python with an Angular front end to display real-time positional data from simulations

Angular Blog Engine

- Used the MEAN stack (MongoDB, Express, Angular, Node.js) to create a blogging web application that allowed users to create an account and perform CRUD operations on posts.

Othello AI

- Implemented an AI program using a minimax algorithm in C++ to automate one/both players in an Othello match
- AI was able to make intelligent moves to challenge the opposing player/AI in realistic games

MapQuest GPS program

- Utilizing the MapQuest API, wrote Python code to generate directions to and from specified locations
- Allowed users to input precise destination information and receive detailed step-by-step directions

WORK EXPERIENCE

Lifeguard UC Irvine Recreation Center, December 2017 – January 2020

- Ensure constant aquatic safety of all patrons ranging from children to the elderly
- CPR/AED certified, and American Red Cross Lifeguard certified

Surf Instructor Corky Carroll's Surf School, June 2016 – August 2017

- Supervised and instructed students in fundamental surf skills while implementing ocean safe rules
- Taught over 400 students the basics of surfing while ensuring their personal safety

LEADERSHIP EXPERIENCE

- Sigma Alpha Pi (National Society of Leadership and Success) member
- Attained rank of Boy Scout of America, Eagle Scout on November 2013. Held a variety of leadership positions including Troop Historian, Instructor, and Senior Patrol Leader.