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Ryan Scott MacWhorter

Objective

Undergraduate senior seeking a full-time job or paid internship in computer science following graduation in June 2022.

Education

University of California, Irvine
Bachelor of Science in Computer Game Science
4.00 GPA

Irvine, California
Expected June 2022

Relevant Experience

Various Organizations

eSports Tournament Organizer

Irvine, California
January 2019-current

- Hosted weekly eSports tournaments (both virtual and in-person) with dozens of entrants for UC Irvine students
- Collaborated with the eSports Arena at UC Irvine to organize several larger events
- Ran pool brackets at several national tournaments with hundreds of entrants

University of California, Irvine

Computer Science Grader

Irvine, California
September 2019-June 2020

- Analyzed and graded assignments for Python programming classes of 300-400 students
- Debugged hundreds of programs to determine issues with code
- Explained student mistakes and suggested code improvements during office hours

Staples Inc.

Sales Associate

Carlsbad, California
July 2019-September 2019

- Managed stakeholder expectations through conflict resolution
- Checked out dozens to hundreds of customers efficiently and kindly
- Recruited numerous customers into store rewards program

Projects

AutoSeeder

December 2020

- Created Python-based program that automates the seeding of Super Smash Brothers Ultimate eSports tournaments
- Integrated tournament website API with existing online competitor databases
- Developed seeding algorithm that creates accurate ratings with limited resources

Search Engine Class Project

December 2020

- Designed search engine and all involved underlying mechanisms to perform information retrieval on a corpus consisting of tens of thousands of websites
- Implemented indexing techniques and line-seeking to minimize memory footprint
- Optimized searches with tf-idf and champions lists to deliver accurate search results in less than 100 ms

Skills

- Programming Languages: Python, C++, C#, Javascript
- Tools: Unity, Pycharm, Eclipse, VMWare
- Interpersonal: Communication, adaptability, perseverance, passionate learner

References available upon request.