Juan Aguirre-Ayala

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OBJECTIVE

- To earn an internship with a professional company and expand my programming experience

EDUCATION

Bachelor of Science, Computer Science   Expected Graduation Date: May 2022

California State University, Chico   **GPA: 3.67**

RELEVANT COURSEWORK

- Programming and Algorithms I & II
- Calculus I & II
- Intro to Databases (enrolled)
- Discrete Mathematics
- Algorithms and Data Structures (enrolled)

SKILLS/TOOLS

- Proficient in C++, SQL
- Familiar with Python, JavaScript, HTML
- Proficient on Linux, Amazon Web Services, VIM, Windows, Virtual Machine

TECHNICAL PROJECTS

Discord Bot – JavaScript   Summer 2019 - Present

- Used JavaScript to create and host a chat bot on a Discord server, which is an Internet relay chat application catered towards gaming communities. Bot currently responds to various chat triggers indicated by a '!' at the beginning of a message. Planning on learning more about the Discord API to expand the functionality of the bot.

AVL Tree Program - C++   Fall 2019 - Present

- Wrote a self-balancing BST tree via a node and BST class. Have added functions that explore the limits of the AVL data structure while examining the run-time complexity of the program. Planning on adding more functions.

Steam Game Database – SQL   Fall 2019 - Present

- Worked on a close team to launch an Amazon Web Services EC2 instance running Ubuntu 18.04. Increased swap space. Performed Extract Transform Load (ETL) to generate analytical reports with SQL.

EXPERIENCE

Lab Tutor - Programming and Algorithms I   Fall 2019 - Present

- Currently attending regular lab hours and assisting students in understanding computer systems and object-oriented programming through C++.

Summer Residential Advisor - Upward Bound Projects Chico   Summer 2019

- Supervised over 270 high school students who were staying on campus for 6 weeks. Tutored students in a course for Calculus and a course where programming was done on Raspberry Pis in Python.

LEADERSHIP/AWARDS

Public Relations Board Member – Upward Bound Alumni Association   Fall 2019 - Present

- Admin of Upward Bound Chico's social media accounts, working together with the board to plan out social activities.

Member – Society of Hispanic Professional Engineers   Fall 2018 - Present

- Active volunteer for events planned out by SHPE and apart of the Webmaster committee, which is responsible for maintaining a connection with members through the club's social media platforms.

College of Engineering, Dean's List   Fall 2019 - Present

Andrew Southard Memorial Scholarship   Fall 2019

Buffardi Family Scholarship   Fall 2019

Margaret and James Fiori Memorial Scholarship   Fall 2019