Juan Aguirre-Ayala

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EDUCATION

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

California State University, Chico   **GPA: 3.75**

RELEVANT COURSEWORK

- Programming and Algorithms I & II
- Calculus I & II
- Intro to Databases
- Discrete Mathematics
- Algorithms and Data Structures
- Artificial Intelligence (enrolled)
- Embedded Systems Development (enrolled)
- Web Programming Fundamentals (enrolled)

SKILLS/TOOLS

- Proficient in C++, SQL
- Familiar with Python, JavaScript, HTML, CSS
- Proficient on Windows, Linux, UNIX, Amazon Web Services, Vim, Atom, Git

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
- Utilized the Discord API to create automated role management for ease of access on Discord servers

Steam Game Database – SQL/Python   Fall 2019

- Worked with a close team to launch an Amazon Web Services EC2 instance running Ubuntu 18.04
- Increased swap space and performed Extract Transform Load (ETL) to generate analytical reports with SQL
- Developed a python script to remotely connect to EC2 instance and generate reports from database

EXPERIENCE

Lab Tutor - Programming and Algorithms I   Fall 2019

- Assisted students in understanding computer systems and object-oriented programming through C++
- Demonstrated various methods of solving introductory level programming problems

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 Calculus and Raspberry Pi programming through Python
- Motivated students towards college education via personal connection and mentoring
- Recognized as an exceptional residential advisor, earning Outstanding Staff of the Week

LEADERSHIP

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

- Admin of Upward Bound Chico's social media accounts
- Collaborating with other board members on planning out social events for fellow alumni

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

AWARDS

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