Brandon Zárate | bdzarate@ucdavis.edu | Manteca, CA. | (209) 603 – 7243 | brandonzarate.io

Education

University of California, Davis	**Graduation Date:** Spring 2024
Bachelor of Science in Computer Science	**Cumulative GPA:** 3.83

Modesto Junior College	**Cumulative GPA:** 3.94

Achievements: Communication Studies Certificate, Spanish Seal of Biliteracy, Awards in Research in Chemistry

Skills

Programming Languages:	C/C++, Java, Python, JavaScript
Web Development:	Node, Express, GraphQL, Prisma, Django, React, HTML, CSS
Databases:	SQL, PostgreSQL

Work Experience

Web Developer – Python, React, Django, PostgreSQL, Git   **Sept 2023 – Jan 2023**
- Collaborated with team members to set up REST framework.
- Focused on bug fixes such as loading filtered requests onto webpage.
- Removed unnecessary email requirements for deleting orders.

Qualtrics Survey Programmer – JavaScript, HTML, CSS   **June 2023 – Dec 2023**
- Created mini games for questions in a Qualtrics survey.
- Stored responses of games to a Qualtrics database through their API.
- Collected and analyzed responses to gain insight on user preferences and behavior.

Projects

Gaming Center – React, TypeScript, ChakraUI, RAWG API   **Sept 2023 – Sept 2023**
- Designed UI with ChakraUI that displays an aesthetic gallery of games.
- Created functional search bar with functional filters like genre and platform.
- Retrieved data from RAWG's API for each filtered request.

Data Science Looks at Discrimination – Python, R, Git   **June 2023 – Sept 2023**
- Analyzed and summarized the fairness-utility spectrum of machine learning.
- Created Python interfaces for R-functions through packages 'pandas', 'rpy2', and 'PIL.'
- Built 3D scatterplots functions in R with the ability to select specified attributes.
- Coordinated daily with group members and initiated tasks to complete.

Portfolio Website – React, JavaScript, Tailwind   **Aug 2023 – Sept 2023**
- Built a React website with styling, smooth animations, and smooth scrolling.
- Used various hooks and Tailwind to change UI based on screen size.
- Created dynamic UI lists by mapping elements in a list to list-items.

Extracurricular Activities

CodeLab Club – Course Visualization Project – M.E.R.N.   **Oct 2023 – Current**
- Facilitated weekly standups promoting discussions on problems, progress, and plans.
- Implemented an adjacency list to store courses and their prerequisites in club project.
- Created CRUD routes and schemas for generating the course visualization graph.

Volunteer Computer Science Tutor   **Oct 2023 – Current**
- Developed students' understanding of algorithms, data structures, and CLI.

Vice President Chemistry Club   **Sept 2019 – Feb 2021**
- Conducted, led meetings, and organized workshops for club members.
- Managed funds and performed experiments for the public.