Alyxander Cui-Edio

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Education

California State University of Fullerton
Bachelor of Science, Computer Science

Aug 2022 - Present
GPA: 3.3

Skills

Coding

C++, Python, HTML, CSS, C#, JavaScript

Tools and Frameworks

Linux, MySQL, Git, GitHub, Word, Excel, Windows, Unity, MySQL Workbench

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Coursework

Data Structures, Object-Oriented Programming, Discrete Math, Matrix Algebra, Cybersecurity Fnd. and Prncp., Statistics applied to Natural Sci., Intro to Python, File Structure and Database, Algorithm Engineering, Assembly Lang., Compilers and Languages, Software Engineering

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Projects

Nu Deck
C#, AutoCad
🔗 Github

- Developed a real-time game engine with **15 developers** using **C# and Unity**, implementing **performance-optimized mechanics** and **GPU-rendered animations**.
- Integrated hardware acceleration via **Raspberry Pi GPIO** to interface with digital displays, simulating **embedded systems** interaction.
- Applied **object-oriented design principles**, debugging logic-intensive features and enhancing **runtime performance**.

Personal Portfolio Website
HTML, CSS, JS
🔗 Github

- Developed an interactive **portfolio website** to showcase projects and experience.
- Utilized **JavaScript** to create dynamic elements and improve user engagement.
- Designed a responsive layout using **CSS and HTML** for cross-device compatibility.

Palindrome Detector
C++
🔗 Github

- Designed and implemented an algorithm in **C++**, using **stack and queue** to optimize memory and runtime complexity.
- Demonstrated proficiency in **data structures**, **algorithmic problem solving**, and **low-level systems programming**.

Mock UN database admin
MySQL
🔗 Github

- Engineered **20** complex **relational queries** using **SQL (JOINs, subqueries)** to extract patterns from multi-table mock UN datasets.
- Designed schema with **5** normalized tables, **referential integrity**, and **efficient query performance**.

Nebuluv
HTML, CSS, JS
🔗 Github

- Worked with **3** other developers to create a personality quiz for users to determine their best match with planets that corresponded to their potential alien love interests
- Completed, designed, and submitted this project in under **24 hours** for **FullyHacks hackathon**

Experience

Altierus Career College
Configuration Analyst Internship

Jan 2023 – June 2023
Remote

- Analyzed business processes and developed documentation to improve **technical systems performance**.
- Provided technical support, enhancing **system reliability and user adoption by 20%**.
- Collaborated with cross-functional teams to deliver **efficient software workflows**, showcasing problem-solving in real-world tech environments.

Towne Park Valet services Fairplex
Valet Attendant

April 2024 – Present
Pomona, CA

- Delivered high-quality customer service through efficient valet operations and guest interactions.
- Communicated effectively with customers, troubleshooting and addressing inquiries professionally.

Involvements

Association in Computer Machinery (ACM)

Theta Tau - Engineering and Computer Science Fraternity

FullyHacks 2025