Alan Cortez

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Education

California State University, Fullerton   August 2020 - May 2024

Bachelor of Science in Computer Science   Fullerton, CA

Skills & Relevant Coursework

Skills: HTML5 | CSS3 | Javascript | React | Svelte | C++ | Git

Tools: Github | Visual Studio Code | Figma

Relevant Coursework: Comp Org & Assembly Lang, Object-Oriented Programming, Data Structures, Web Front-End Engineering, Software Engineering

Experience

California State University, Fullerton   August 2022 - Present

Supplemental Instruction Leader   Fullerton, CA

➔ Communicate complex **C++** concepts to students of varying levels in weekly sessions.
➔ Develop engaging exercises for students to comprehend **object-oriented** concepts based on lecture.

ACM Chapter at CSUF   May 2022 - Present

ACM Design President   Fullerton, CA

➔ Orchestrate a team to develop and communicate instructional **biweekly** workshops on **advanced CSS concepts, Figma design recommendations, and UI/UX abstractions** for the largest computer science organization on campus with **over 1000 members.**
➔ Produce and design **mockups, prototypes** and **weekly promotional content** using **Figma** to enhance our social media presence alongside rebranding the official chapter website.

Projects

ACM Team Quiz | *Svelte, Typescript, CSS*

➔ Spearhead the integration of an extension to an **open source website** that gets **hundreds of visits** from an organization which has **over 1000 members**.
➔ Responsive, **mobile-friendly** application which compiles user responses to match and visualize an appropriate team for the individual according to their abilities and interests.

Case Clicker | *JavaScript, React, CSS, Framer Motion*

➔ Adaptive **client-side rendered browser game** which utilizes the **local storage API** in order to compare and challenge players to beat their previous high score.
➔ Utilize **custom reusable React hooks** to manage state and logic for a seamless user experience.

ILXL-PPR Community | *C++*

➔ Engaging informative beginner tutorial covering **C++ for loops** for students to experiment.
➔ Includes template code and optimized unit tests for a **two to three hour learning experience**.

Discord Bot | *Python, REGEX*

➔ Interactive event listener which consistently **reads over hundreds of messages** and compares them with **REGEX** to trigger unique engaging interactions for users.