Edwin Peraza

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Education

Bachelor of Science, Computer Science   **December 2024**
California State University, Fullerton   GPA: 3.98/4.0
- Dean's List

Technical Skills

- **Programming Languages:** Python, JavaScript/HTML/CSS, TypeScript, C++, SQL, Swift
- **Databases:** MySQL, SQLite, DynamoDB, MongoDB, Firebase
- **Frameworks and Libraries:** React.js, Next.js, Astro, FastAPI, Django, TailwindCSS, Bootstrap, SwiftUI
- **Other:** AWS, Docker, Figma, Postman, Git, GitHub, Linux

Projects

CodeAgainstCancer | *Django, HTML, CSS, JavaScript, Bootstrap, AWS*   *Source Code*
- Collaborated with a team of four developers to create a web application providing cancer patients with personalized dietary recommendations, calorie tracking, and community forums, improving accessibility to nutritional resources
- Conducted rigorous testing, including unit tests, performance tests with Locust, and security assessments with OWASP ZAP, to ensure robustness and user data protection
- Deployed the application on AWS using Docker containers, ensuring scalability and reliability while simplifying the deployment process

CSUF Chatbot | *Python, Tkinter*   *Source Code*
- Developed an interactive chatbot leveraging Python and Tkinter to provide campus-related information, enhancing accessibility for students, faculty, and visitors
- Implemented regular expressions to accurately parse and respond to a wide range of user inquiries
- Designed a user-friendly interface, ensuring easy navigation

SoloLevel | *Swift, SwiftUI, Firebase*   *Source Code*
- Designed and launched a self-improvement app inspired by the "Solo Leveling" anime and manhwa series, targeting users seeking a gamified productivity tool
- Integrated a dynamic level system where users earn experience points for completing daily challenges
- Employed Firebase for secure user authentication and real-time database management, ensuring seamless user experiences and data consistency

Hiken | *HTML, CSS, JavaScript*   *Source Code*
- Created a 2D fighting game using vanilla JavaScript, CSS, and HTML, showcasing strong front-end development skills
- Employed HTML5 Canvas for rendering game graphics, resulting in smooth and dynamic visual elements
- Implemented single-player mode with adjustable difficulty levels and a multiplayer mode, enhancing gameplay options

University Management System | *FastAPI, SQLite3, DynamoDB, Redis, RabbitMQ*   *Source Code*
- Built a comprehensive university management system deploying a microservices architecture to handle various administrative tasks
- Devised services for enrollment, user registration with JWT authentication and secure password hashing, and notifications for course updates
- Leveraged FastAPI for building robust APIs, SQLite3 and DynamoDB for database management, Redis for caching, and RabbitMQ for message brokering

Certifications

- **Azure AI Fundamentals**, *Microsoft*, May 2024   **Credential ID**: C2BBC5491FE07F8A

Experience

Library Student Assistant   **October 2022 - December 2024**
California State University, Fullerton   Fullerton, CA
- Managed and updated course reserves and inventory records using Alma and Leganto library systems, ensuring accurate cataloging and streamlined workflows
- Developed a ***web application*** during downtime, automating reading list formatting and increasing productivity by 200%, enabling the team to handle higher workloads efficiently.
- Provided excellent customer service by assisting patrons with locating and utilizing library resources