

PEDRO SERDIO HANK

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EDUCATION

UNIVERSITY OF CALIFORNIA, SAN DIEGO, San Diego, CA

Candidate for Bachelor of Science, Mathematics - Computer Science

Expected June 2025

AWARDS: Fall Quarter 21, UCSD Provost Honors, Winter Quarter 22, UCSD Provost Honors, Fall Quarter 23, UCSD Provost Honors

RELEVANT COURSEWORK

Programming (Java, C/C++, Python)
Advanced Data Structures

Design and Analysis of Algorithms
Graph Theory
Modern Algebra

Statistical Methods
Discrete Mathematics

TECHNICAL SKILLS

Python, Java C/C++, HTML, CSS, Assembly Programming Language, Microsoft Office/Google Suite, macOS, Windows, Linux, Git, Photoshop, iMovie Software, MATLAB, LaTeX, Quarkus, JavaScript, VertexAI, Figma

ADDITIONAL SKILLS

Programming Proficiency, Algorithmic Thinking, Problem-Solving, Mathematical Aptitude, Critical Thinking, Communication Skills, Time Management, Independent Worker, Team Collaborator, Researcher, Designer, Iterator, Creative Thinker

LANGUAGE SKILLS

Spanish (NATIVE): Proficient in reading, writing, speaking, and comprehension

English (NATIVE/BILINGUAL)

EXPERIENCE

UI/UX Designer

Developer Journal WebApp

April-June 2024

- Designed and developed a local-first developer journal for students and professionals using basic HTML, CSS, and JavaScript.
- Responsible for the entire UI/UX design, including creating the look and feel of different pages and components.
- Developed animations and color schemes, ensuring a lightweight and snappy user experience.
- Conducted product research, wireframing, and created user stories to guide the design process.
- Utilized Figma for mock-ups and animations before implementing designs in code.
- Collaborated with development teams to integrate their components within the design restrictions, providing guidance on HTML structure.
- Ensured cohesive and functional design implementation, enhancing overall user experience and interaction.

Software Engineer Intern

BANORTE, CDMX, Mexico

July-October 2024

- Created a Proof of Concept (POC) for an internal tool, a chatbot for automating and optimizing Levantamiento de Requerimientos (Requirements Gathering) documents.
- Utilized web languages, Java, and the Quarkus framework to host and make the application cloud-native, with the chatbot model connecting to Gemini through Google's Vertex AI.
- Designed the application with a microservice architecture, ensuring each component can be individually replaced or reused in other applications.
- Joined the full production team for this 12-week project, collaborating with various company teams including Cyber Security, Project Managers, AI/ML Coders, and Cloud Developers

Software QA Intern

GRUPO CALIENTE, CDMX, Mexico

July-August 2023

- Collaborated with various development teams including Back End, Front End, App Dev, and Web Dev for major betting websites www.caliente.mx and winner.mx.
- Managed and updated banners/promotional images in both gambling websites, ensured no bugs or errors present in test websites before pushing and changing the live sites.
- Ensured overall quality of new features and enhancements across desktop and mobile.
- Gained understanding of agile workflows and cross-functional collaboration at a fast-paced software company.
- Learned how sprints and projects work in a software company to maximize productivity and prioritize fixes for bugs that emerge.

ADDITIONAL EXPERIENCE

Sales Associate

UCSD BOOKSTORE

May 2022–Present

- Provide personalized assistance and guidance to customers, creating a positive shopping experience through effective communication and building rapport.
- Play a pivotal role in achieving sales targets, promoting Apple products, handling transactions, and keeping an organized and efficient workspace.
- Responsible for the critical tasks of opening and closing procedures, alongside providing support in comprehensive training to new hires, ensuring smooth integration into our operational protocols at the school bookstore.