Adriane San Gaspar

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EDUCATION

California State University Long Beach Long Beach, CA
Bachelor of Engineering in Computer Science *August 2021 – May 2025*

EXPERIENCE

Service Crew Member June 2024 – January 2025
Potato Corner *Cerritos, CA*
- Communicated effectively with customers to understand and address needs; demonstrating strong interpersonal and problem-solving skills under time pressure
- Followed structured and quality standards precisely, showcasing attention to detail and reliability in fast-paced, high-stakes environment
- Collaborated with team members to ensure operational readiness, contributing to smooth audits and process efficiency within group settings

Line Cook May 2021 – August 2021
Popeyes *Bellflower, CA*
- Streamlined cooking workflows during peak hours, reducing wait time while upholding quality and safety standards
- Collaborated with cross-functional team members, including prep cooks and front-line cashiers, to deliver efficient service under pressure
- Maintained a clean, audit-ready workspace by adhering to food safety protocols and organizational procedures
- Followed structured workflows and quality standards, similar to version-controlled development practices in software teams

PROJECTS

Group Budget App | *React Native, Firebase, JavaScript, NoSQL, Git* September 2024 – May 2025
- Led development of a full-stack mobile budgeting app with React Native frontend and Firebase backend
- Integrated Firebase Authentication (OAuth) to manage and persist user data in a NoSQL Firestore database
- Visualized financial data using dynamic charts and graphs to display spending and budget insights
- Implemented real-time data syncing across devices using Firebase realtime Database features for responsive UX

Sensor Simulations | *Python, Sockets, PostgreSQL, NeonDB, AWS VPC* April 2025 – May 2025
- Built a simulated client-server architecture using sockets to exchange sensor data via a RESTful API
- Generated sensor data and organized it in PostgreSQL using Binary Search Tree
- Deployed the system on AWS VPC with virtual machines to mimic scalable, cloud-based IoT infrastructure
- Designed a modular system architecture to support future scalability and integration of real-time IoT sensor inputs

Parking Manager | *React, MongoDB, TypeScript* March 2025 – May 2025
- Developed a full-stack web application to manage parking reservations and usage data
- Utilized MongoDB to store transactional records, user profiles, and booking history
- Designed an intuitive UI with React and Typescript, focusing on user experience and accessibility
- Developed input validation and user feedback mechanisms to improve form accuracy and reduce user error

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript C/C++, SQL (Postgres), HTML/CSS
Frameworks: React, React Native, Node.js, Firebase, Material-UI
Developer Tools: Git, AWS, Google Cloud Platform, Firebase, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries: Sockets, Chart.js, pandas, NumPy, Matplotlib