

Jennifer Miranda

Bakersfield, CA (Open to relocation)

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github.com/jen444x

Education

California State University, Bakersfield

Aug 2021 - May 2025

B.S., Computer Science

- **Coursework:** Operating Systems, Distributed Systems, Database Systems, Data Structures & Algorithms, Computer Architecture

Skills

- **Languages:** Python, C++, C, JavaScript, SQL, PHP
- **Frameworks & Tools:** Linux, Git, Selenium, Digital Ocean, React, Node.js, Express.js
- **Databases:** MySQL, PostgreSQL, MongoDB

Experience

FWD Dynamics

Jul 2025 - Present

Software Engineering Intern

- Led code reviews, ensuring high-quality, maintainable code following best practices
- Facilitated scrum ceremonies (standups, sprint planning) for a 10-person dev team
- Partnered with leadership on product strategy, prioritizing features based on business impact and feasibility
- Spearheaded website redesign, improving the alignment with business goals and user experience

CSUB Academic Success Center

Aug 2023 - May 2025

Computer Science Tutor

- Tutored 10-20 students weekly in core CS courses (data structures, algorithms, OOP, databases)
- Explained complex technical concepts in Python, C++, and JavaScript to diverse audiences with varying technical backgrounds
- Guided students through debugging, assignments, and exam prep in a one-on-one and group setting
- Promoted best practices in code quality: commenting, modular design, testing, and maintainable code structure

CSUB ITS Infrastructure Services

Jun 2022 - May 2023

Student IT Assistant

- Supported telecom and network infrastructure through installations, port activations, and troubleshooting
- Managed user lifecycle operations: provisioned phone systems, reset credentials, and handled user onboarding/offboarding processes
- Collaborated with technical teams to deliver reliable solutions, ensuring a 95%+ issue resolution rate.
- Created and maintained technical documentation, improving team efficiency and knowledge transfer.

Projects

Job Notification Automation Tool

- Built and deployed real-time job alert automation tool using Python and Selenium on Digital Ocean
- Implemented error handling: automatic retry logic, driver resets, and push notifications via Pushover API for critical failures
- Secured Linux environment with SSH key-based authentication, non-default ports, and automated log management to maintain uptime
- Automated job checks, saving ~10 mins daily; delivered 50+ notifications weekly with < 1s response time

PlayPals

- Designed and implemented RESTful APIs with Node.js/Express backend
- Designed scalable PostgreSQL schema; secured APIs with JWT and session handling.
- Integrated frontend (React Native, Expo) with backend (Node/Express), optimizing async data handling.

Plant Page

- Built web application with user lifecycle management using PHP and MariaDB
- Implemented secure role-based authentication and authorization (user/admin roles)
- Developed automated notification system for scheduled maintenance tasks

Rocky Concrete Inc. Website

- Designed and developed a responsive, client-facing business website
- Conducted requirement gathering and maintained iterative feedback loops with client
- Deployed to production environment with focus on performance, SEO, and cross-browser compatibility

Leadership

Society of Women Engineers – CSUB

Sep 2024 - May 2025

Secretary

- Collaborated with peers to plan and promote networking and community engagement events
- Coordinated mentorship opportunities and increased membership engagement by 20%.