Sady Guzmán

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Profile

Final-year Computer Engineering student, currently completing degree requirements. Available to start working from December 2025.

Languages

English C2
Spanish Native

Education

Bachelor's Degree in Computer Engineering

📅 2025 📍 La Serena University - 5 year program

During the first semesters, the focus was on the fundamentals of computer science, using the C programming language to deeply understand logic, data structures, and algorithm design. Later, emphasizing the development of semester-long projects.

In the final years, I took on the role of project leader in several semester-projects, managing teams, gathering requirements, interviewing clients, and overseeing the planning and execution of the development stages.

Certifications

CS50: Foundations of Intellectual Enterprises of Computer Science and the Art of Programming.

📅 2024 📍 EdX | HarvardX

Comprehensive course covering data structures and algorithms, relational databases, and programming in C, Python, and SQL. Included web development using JS, Bootstrap and Python Flask.
Final project: Google Chrome extension.

EF: Standardized English Test Certificate C2 Proficient

📅 2024 📍 EF SET

Achieved C2 Proficient level, demonstrating the ability to communicate effectively and fluently in English across a wide range of contexts.

Experience

Computer Science Tutor

📅 2025 📍 La Serena University

During my final year, I worked as a Tutor, helping students strengthen their understanding of programming fundamentals and data structures through practical guidance and mentoring.

Profesional Internship

📅 2025 📍 PREANSA CHILE UNACEM

Developed a desktop application using Python, the PyQt framework, and an SQLite database, designed to automate engineering calculations for prestressed concrete components.

Computer Science Department Platform Project

📅 2025 📍 La Serena University

Served as Project Leader in the development of a web platform. Managed the work of frontend, backend, database, QA, and DevOps teams, overseeing coordination, progress tracking, and integration across all development areas as well as maintaining communication with the client.

HR Attendance Data Cleaning Project

📅 2024 📍 Coquimbo Hospital

Served as Project Leader, overseeing requirements gathering, client meetings, and project management, while also contributing to the development and implementation of software solutions. The project utilized Python, Flask, Docker, and GitHub, managed through Atlassian Jira.

Musical Equipment Loan System

📅 2023 📍 Faculty of Music, La Serena University

Conducted requirements gathering through client interviews and developed a Python desktop application for managing inventory, equipment status, and loan tracking for students in music-related programs.

Technical Skills

Languages: C, Java, Python
Databases: PostgreSQL, MongoDB
Web Development: HTML, CSS, JavaScript, Flask
Version Control: Git, GitHub, GitHub Integrations
Operating Systems: Windows, macOS, Linux
Deployment and Hosting: Vercel, NeonDB, AWS
Containerization: Docker
Project Management: Atlassian Jira
Data Analysis and Machine Learning:
Jupyter Notebooks and Google Colab for data exploration, cleaning, manipulation, and visualization using Pandas, NumPy, Matplotlib, Seaborn, and Scikit-Learn.

Achievements

3rd Place, Water Crisis Hackathon, Coquimbo Region.

📅 2024 📍 La Serena University

Hydrocare – IoT-based solution for monitoring crop conditions and an AI model to identify plants affected by pests.

Exhibitor – Innovation Fair ULS

📅 2022 📍 La Serena University

Developed a prototype of a wearable buzzer bracelet using Arduino technology, along with 3D design and printing for the device's structure.