

Guillermo Lorenzo Ayala

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EDUCATION

San Diego State University | B.S. Computer Science

- Member of Sigma Alpha Epsilon's Cal Theta Chapter
 - Interfraternity Council (IFC) delegate (Fall '23 - Spring '24)
 - Vice President - External (Fall '24)
- Member of SDSU's World Computing Organization (Spring '25)

Richland Community College | A.S.

- Obtained Associate's Degree and High School Diploma simultaneously through a dual-enrollment program.

EXPERIENCE.

Founder & Principal Engineer

May 2025 - Present

Maison Software Solutions (MSS) Projects | San Diego, CA

- Lead the development, deployment, and user experience of direct client-focused software and hardware initiatives across AI, automation, and smart-device ecosystems.
- Architect end-to-end full-stack applications integrating cloud APIs, embedded systems, and voice-enabled AI Interfaces.

Server Support

Mar 2025 - Present

CH Projects at Seneca Trattoria | San Diego, CA

- Curate attentive, high-quality service to guests, ensuring an exceptional dining experience.
- Uphold daily operations through teamwork and attention to detail.

Server/Barback

Jan. 2021 - Aug. 2022

Lombardi Family Concepts at Bistro 31 | Highland Park, Tx

- Provided excellent bar and table service for guests across the restaurant and upstairs lounge.
- Unpacked, Stored, and Stocked alcohol in our wine room, wine cooler, bar, and lounge.

P-Tech Intern

Jun. 2021 - Jul. 2021

International Business Machines (IBM) Corp. | Dallas, Tx

- Worked in a team setting on planning and solving based on client demands.
- Collaborated with other interns, building our knowledge on IBM's tools and workspace.

Server

Jun. 2020 - Jan. 2021

ACG's IHOP | Dallas, Tx

- Provided guests with utmost respect and a great dine-in experience.
- Maintained cleanliness of the restaurant, both back and front of house.

PROJECTS

Financial Stock Trend Forecaster (Student R&D) | Python, VADER, LSTM, Transformer, ARIMA

- Trained regression based LSTM model on Apple and J&J stock data; achieved an **R² score of 0.9398**, alongside Transformer and ARIMA models. Integrated financial indicators and sentiment analysis on SEC filings and news data.

Maison Mirror OS (MSS Projects) | Python, Flask, React, Raspberry Pi, REST APIs

- Developed an intelligent smart display powered by an AI assistant with voice/motion activation, contextual awareness, hybrid local-cloud processing, and a modular React interface for real-time personalization and embedded system control.

Service Industry Training Platform (MSS Projects) | Next.js, Supabase, TypeScript, Postgre SQL

- Created an AI-assisted training platform for hospitality teams to digitize onboarding, service lessons, and progress tracking. Built cloud-based content and analytics dashboards for multi-location scalability and team performance insights.

CERTIFICATIONS

- Google's Cloud Data Analytics (Coursera)
- Microsoft Word (Credly)
- Microsoft PowerPoint (Credly)
- Professional Skills: Working In A Digital World" (Credly)
- "Spirits & Mixology" (BarSmarts)