

Josue Diaz Flores

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EDUCATION

Santa Clara University | Santa Clara, CA

Sept. 2025 - Jun. 2027

Bachelor of Science in Computer Science

Activities: Theta Tau Professional Engineering Society, Association of Computing Machinery (ACM), Artificial Intelligence Collaborate

De Anza College | Cupertino, CA

Sept. 2022 - June 2025

Associates in Computer Science

Coursework: Discrete Mathematics, Data Structures and Algorithms, Calculus 1,2 and 3

SKILLS / PROFICIENCIES

Java | C/C++ | JS/TS | SQL | Python | HTML | CSS | Bash | AWS | Spanish | Problem solving | Project management

WORK EXPERIENCE

Synopsys

March 2023 – August. 2025

Information Technology Intern | Sunnyvale, CA

- **Led and mentored a team of 5 interns** for several months, providing hands-on training in diagnostics, troubleshooting, and network scripting to elevate team performance and technical confidence.
- **Took ownership** of complex network troubleshooting cases, performing deep-dive diagnostics and executing Python scripts that restored functionality across enterprise systems.
- **Documented and standardized** IT procedures, creating detailed technical guides that are now used across the department to onboard new team members.
- **Enhanced system performance visibility** by implementing tracking reports that allowed leadership to identify recurring user issues and prioritize long-term solutions.

Starbucks Barista/Trainer

March 2020 – March 2023

- **Recognized by management** for strong leadership, reliability, and the ability to foster a positive, team-oriented atmosphere under pressure.
- **Led by example** during peak hours, coordinating with team members to maintain fast, accurate, and high-quality service in a high-volume environment.
- **Trained and mentored over a dozen new baristas**, developing their skills in customer service, drink preparation, and store operations through consistent coaching and hands-on guidance.
- **Recognized by the district manager** for exceptional professionalism and the ability to **de-escalate and resolve customer altercations** while maintaining a positive store environment.
- **Maintained operational reliability** by monitoring and maintaining equipment performance, proactively addressing small failures before they affected service — mirroring a mindset of system maintenance and debugging.

Projects

Portfolio Website | [Website](#)

A passion project that I've dreamed since I learned how to code as a kid

- Designed and implemented extension frontend and backend, using **Next.js**, Google OAuth, and **AWS** Lambda, S3, DynamoDB, SNS
- Architected automated pipelines for scraping course evaluation data, and automated end-to-end regression testing with Puppeteer

Classly (Nvidia Hackathon Project) | [Source Code](#)

Oct. 2025

- **Integrated Nvidia models** to classify and prioritize replies, enhancing content quality and user experience.
- **Collaborated on frontend-backend integration**, ensuring seamless UX and fast response times under heavy data loads
- Used Transcription models to process large amounts of lectures

Classly (Startup & NVIDIA Hackathon Project) | [Website](#) | Backend source code | Frontend source code

Oct 2025 – Present

Co-founded a small startup with classmates while in school, focused on AI-driven tools that improve digital communication and content moderation.

- **Built and scaled** an early prototype from a hackathon concept into a live platform used by early testers and university peers.
- **Published an open-sourced** version for any user to use for free
- **Collaborated cross-functionally** with a frontend and ML team to leverage **xAI multi-modal models**, enhancing UX and moderation accuracy.