

Nathaniel E. Paz

Houston, Tx

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EDUCATION

University of Houston - Clear Lake

Houston, TX

Bachelors of Science, Computer Science

Spring 2026 - Spring 2028 (Expected)

- **Concentration:** Full-stack Web Development
- **Related Coursework:** Software Engineering, Design of Database Systems

San Jacinto College - South Campus

Houston, TX

Associate of Science, Computer Science

Fall 2022 - Fall 2025 (Completed)

- **Related Coursework:** Introduction to Python Programming, Object-Oriented Programming, Data Structures & Algorithms, and Computer Organization (Assembly Language)
- 3x Dean's List & Honors Student

PROJECTS

JournalXP

Full-Stack Mental Health Journaling App

- Designed and built a full-stack web application using React, TypeScript, Firebase, Node.js + Express.js. Implemented user authentication, mood tracking, AI-assisted journaling prompts, and cloud-synced entries. Deployed production builds using Firebase with scalable backend architecture.

SparkCSS

Lightweight, Utility-First CSS Framework

- Developed a custom CSS framework designed for speed, scalability, and modern UI development. Built with a utility-first architecture similar to Tailwind, SparkCSS enables developers to rapidly prototype responsive layouts with minimal code repetition. Engineered the framework from scratch using TypeScript, focusing on performance, maintainability, and theme customization through variables and mixins.

Genesis

Custom Programming Language

- Designed and developed a lightweight, transpiled programming language focused on simplicity, readability, and modern developer ergonomics. Implemented a lexical analyzer, parser, and code generator using TypeScript, enabling support for variables, functions, conditionals, and loops.

LEADERSHIP & INVOLVEMENTS

Professional Organization of Computer Science Majors

San Jacinto College - South Campus

President

Spring 2023 - Fall 2025

- Organized and led regular club meetings focused on software development, emerging technologies, and collaborative coding projects.
- Actively collaborating with faculty advisors to secure resources, maintain club operations, and align activities with institutional goals. Promoted an inclusive culture that encouraged peer mentorship and continual learning among club members.

Supplemental Instructor

San Jacinto College - South Campus

Programming 1 & 2

Spring 2025 - Fall 2025

- Providing one-on-one guidance to students, troubleshooting code errors, and clarifying logic to strengthen understanding and confidence. Developed hands-on coding exercises and mini-projects, helping students apply theoretical knowledge to practical scenarios.
- Taught select lessons during formal class sessions, creating and delivering lecture material on core programming concepts, leading lab activities, and guiding students through real-time coding exercises for deeper engagement.

WORK EXPERIENCE

San Jacinto College - Central Campus

Houston, TX

PT-Admissions Assistant

Nov 2024 - Dec 2025

- Maintain digital records using Banner software to support smooth administrative operations.
- Create and issue student ID cards while ensuring data accuracy and confidentiality.
- Assisting my supervisor in streamlining the enrollment procedures by helping prospective and current students with applications, orientation, and program interests. Creating a positive and efficient experience.

What-a-burger

Houston, TX

Team Leader & Trainer

April 2020 - Dec 2024

- Supervised and trained diverse teams to uphold high customer service standards and efficient food preparation practices.
- Mentored new hires on company policies, cooking procedures, and customer interaction, reducing onboarding time and improving team consistency. Oversee training schedules and practices.
- Demonstrated effective communication and conflict resolution skills by quickly addressing customer concerns and coordinating with staff to provide optimal and satisfactory solutions.

Skills

Programming: Python, JavaScript, TypeScript, HTML/CSS, SQL, Node.js, React.js, C++

Technical: Figma, tailwindcss, graphql

Platform: Linux, Windows

Languages: English & Spanish

Interests: Rubik's Cubes, Chess, Basketball, body-building, & Swimming.