

Henry Paz

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EDUCATION

Computer Science (A.A) – Santa Fe College, Gainesville, FL, Dean's List 2024 Aug. 2024

Computer Science (B.A) – CLAS – University of Florida, Gainesville, FL, Dean's List 2025 May. 2027

Availability: Full-time, May 2026 – January 2027.

Relevant Coursework: Programming Fundamentals 1-2, Computational Linear Algebra, Data Structures and Algorithms, Intro. to Computer Organization, Databases Systems 1.

PROJECTS

Game Library Database – Python, MariaDB [Github](#) Jan. 2026

- Collected game data from friends through Google Forms, exported responses to CSV for structured storage.
- **Engineered** an automated content migration tool using **Python** and **MariaDB** to simulate professional content management workflows.
- **Developed** SQL-based curation audits to facilitate library categorization and franchise discovery for 20+ entertainment titles.
- **Automated** ETL processes to ensure 100% data integrity, mirroring the meticulous internal content QC checks required for Disney platform standards.

Minesweeper Logic Engine – C++ [Github](#) Dec. 2025

- Engineered a grid-based logic system with complex state management to ensure 100% accuracy in mine placement and proximity calculations.
- Implemented recursive algorithms for cell expansion and rigorous validation protocols to prevent impossible board states.
- Conducted extensive **quality control** (QC) and edge-case testing, mirroring the attention to detail required for content migration and platform auditing.

Portfolio Platform - JavaScript, CSS3, Vercel [Github](#) / [Website](#) Feb. 2026

- Developed a responsive web platform featuring a custom **client-side validation system** using JavaScript to ensure data integrity.
- Implemented **Asynchronous (Async/Await) patterns** to manage UI states and simulate server-side processing.
- Designed a modern "Glassmorphism" interface utilizing advanced CSS techniques like backdrop-filter for a premium user experience.

EXPERIENCE

Survey Logic Tester/Bilingual Telephone Interviewer - UF Survey Research Center Apr. 2025 – Present

- **Execute functional testing** on proprietary survey software, validating input logic and exit screens to ensure 100% data integrity before deployment.
- **Collaborate directly with the programming team** to identify and reproduce logic errors, via detailed bug reports, effectively shortening the development feedback loop.
- **Leveraged operational experience** from 100+ hours of telephone interviewing to identify user experience (UX) bottlenecks and improve software workflow efficiency.

SKILLS

Languages: Java, C++, Python, JavaScript (ES6+), SQL, HTML/CSS.

Frameworks/Tools: Node.js, Git/GitHub, Vercel, MariaDB/SQL Server.

Creative Tech: Autodesk Maya, Blender, Substance Painter (Technical Art Pipeline).