

Luis Benavides

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Education

Bachelor of Science in Computer Science

University of Houston-Downtown (UHD), Houston, TX

GPA: 3.00

Honors: UHD Scholars Academy, ALPFA, ACM, CAHSI, SOMIS

Skills

Languages: Python, C++, C, Java, JavaScript, Typescript, SQL, Dart

Web Development: HTML, CSS, Django, React.js

Other: Object Oriented Programming, User Interface, Python Pandas, Data Structures, Matlab, Numpy, PyTorch, Excel

Tools: Visuals Studio, Visual Studio Code, Redhat, Microsoft Office, Linux, Jupyter notebook, Google Collab

Experience

AI Software Engineer Intern – ShieldED Haven

September 2025 – Present

- Developed and integrated interactive educational mini-games (“Password Protector” & “Cyberbully Detection”) using React, TypeScript, and Supabase, teaching online safety through gamified learning.
- Implemented backend synchronization for game data using Supabase, enabling real-time user progress tracking and database persistence.
- Verified and tested Brevo email automation to ensure newly added schools received onboarding emails directly from the system dashboard.
- Tested and validated backend API endpoints for game state persistence, ensuring smooth data flow between the frontend and Supabase.

Front End Developer - Miramor Construction

December 2024 – August 2025

- Currently Designing and implementing responsive webpage layout using front end technologies to enhance user experience and accessibility.
- Collaborated with company owners to ensure site matches company standards and contributes to business goals.
- Integrating interactive features to improve navigation and user engagement.

Gator Resource Center Student Ambassador – University of Houston - Downtown

August 2025 – Present

- Helped distribute over 140,000 pounds of food to students on campus over the course of one year.
- Operating the UHD food market distributing 60 pounds of food a week to each student at the university
- Conduct data analysis for how many pounds on average every student takes weekly from the UHD food market.
- Handling shipments from the Houston Food Bank multiple days out of the week.

Project Experience

Inventory Data Processor – Python / Numpy

- Data Analysis Tool in Python using NumPy for efficient tracking and statistical evaluation of stock. Included input validation and clear data presentation features.

CSV Based Financial Data Processor – Python / Pandas

- Developed a financial tracker in Python using pandas to calculate and display sales, expenses, and revenue. The report is saved in both CSV and formatted text files for easy recordkeeping.

Banking System – Python / C++

- Developed a CLI-based banking system that allows users to create accounts, deposit, withdraw, and check balances securely. Implemented object-oriented principles with unique user ID generation and input validation for robust user interaction.

Leadership

Gator Crew – Orientation Leader (UHD)

May 2025 – August 2025

- Welcomed and guided incoming students through campus orientation programs.
- Provided peer support and answered questions to ease student transitions.
- Assisted new students with registration processes and resolved basic computer and account access issues during orientation.
- Provided tours to new incoming students and supporters.

Corporate Relations Committee (ALPFA UHD)

January 2025 – May 2025

- Coordinated outreach efforts, facilitated networking events, and helped secure sponsorships and guest speakers.
- Built and maintained partnerships with local and national companies to support student career development opportunities.
- Maintained a partner database to track interactions, sponsorships, and follow-ups with corporate contacts.
- Created proposals and agendas for events with numerous corporations.