Isaias E. Gonzalez

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Education

College of Natural Sciences and Mathematics, University of Houston — May 2026

Bachelor of Science in Computer Science, Minor in Management Information Systems — *Houston, TX*

- Cumulative GPA: 3.67 | Honors & Awards: NSM Dean's List, Academic Excellence Scholarship
- **Relevant Coursework:** Object-Oriented Programming, Data Structures, Algorithms, Database Systems, Operating Systems, Systems Analysis and Design

Experience & Leadership

Guzo — May 2024 – Present

Software Engineer Intern — *Houston, TX*

- Contributing to **software development** and leading **UX/UI improvements** for Guzo, an **AI-powered platform** that generates personalized roadmaps to help users achieve their goals.
- Efficiently acquired expertise in **full-stack development** technologies, including **React, Python, FastAPI,** and **Firebase,** while making significant contributions to the project.
- Collaborating in an agile environment, enhancing **problem-solving skills** through daily stand-ups and hands-on programming.

CougarCS — January 2024 – Present

Design Officer — *Houston, TX*

- Creating visually appealing flyers and media using **Figma** and **Adobe Creative Cloud Apps** to promote and market the University of Houston's largest computer science organization.
- Contributed to promotional initiatives through in-class presentations and campus tabling events, helping increase CougarCS membership and visibility on campus.

Code Ninjas — May 2023 – January 2024

Coding Instructor — *Deer Park, TX*

- Facilitated coding education weekly for an **average of 30 students** aged 5 to 15 using MakeCode Arcade, fostering their skills through engaging video game projects.
- Arranged **10 summer camps**, involving **over 80 students** in hands-on technology subjects, including web development, Python programming, cryptography, video production, and beyond.

Projects

Financy - Financial Tracker | *MongoDB, Express.js, React, Node.js, Figma* — July 2024 – September 2024

- Collaborated with a partner to develop a **full-stack application** that provides users with detailed financial metrics based on their income and expense inputs.
- Designed **wireframes** and **interactive prototypes** for **UX/UI,** visualizing **user flows** and enhancing overall design aesthetics.
- Built responsive **React** user interfaces with a component-based architecture, integrating **Axios** for efficient **API communication** and ensuring seamless data flow between frontend and backend systems.

Virtual Pet Simulator | *C++* — April 2023 – May 2023

- Created a Tamagotchi-style game using **object-oriented programming** enabling players to interact with their pet and maintain its status metrics.
- Implemented **inheritance** and **polymorphism** to assign unique attributes to each animal, enhancing game complexity and dynamic behavior.

Technical Skills

Languages: Python, C++, JavaScript, HTML, CSS, SQL
Frameworks & Libraries: React, Node.js, Express.js, Tailwind CSS, FastAPI
Developer & Design Tools: Git, Github, Postman, Firebase, MongoDB, Visual Studio Code, Figma, Adobe Creative Cloud
Certifications: Adobe Certified Professional in Adobe Photoshop and Adobe Premiere Pro (2022)