HECTOR BARAHONA

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EDUCATION

Tulane University, New Orleans, Louisiana
Bachelor of Science in Information Technology, cum laude, August 2023

• Concentration in Integrated Application Development

EXPERIENCE

Whole Foods Market, New Orleans, Louisiana
Bakery & Grocery Department, April 2021 - Present

- Provide excellent customer service, address needs of customers in a timely and effective manner
- Model suggestive selling techniques; answer phones and emails promptly and courteously
- Maintained organized and appealing displays, ensuring stock rotation and freshness.
- Assisted with inventory deliveries, organizing and storing items in designated sections.
- Communicated clearly and respectfully with coworkers, customers, and vendors.

CERTIFICATIONS, SKILLS & LANGUAGES

Certification - Automation Anywhere RPA Essentials for Students (Automation 360) - In Progress
Coding - Familiar with: HTML / CSS, JavaScript, C++, Python / Pygame, PHP, SQL
Tech - Familiar with: Automation 360, MySQL, Figma, Lucid Chart, Git, GitHub, Azure, Adobe Photoshop/ Illustrator, Google Programs: docs, sheets, and slides, Microsoft Office
Language – Native Spanish / English
Soft Skills - Critical Thinker, Detail Oriented, Attentive Listener, Diligent Worker, Good Communicator, Motivated Learner

PROJECTS

- **Virtual World for Self-Driving Cars – App Reskin, HTML/ CSS/ JavaScript, Personal** Project (In Progress)
  - Built a spatial graph and dynamic viewport editor, generating road borders, buildings, and trees for a 3D visual effect.
  - Loaded real-world data from OpenStreetMap for city simulations and created a minimap for navigation.
  - Enhanced the environment for self-driving simulations by incorporating detailed road markings and realistic object placement.
  - **(Planned)**: Adding a feature for users to select various pathfinding algorithms for car navigation, showcasing different strategies.
- **Capstone, HTML/ CSS/ PHP, MySQL , Capstone Project** - **Project Overview**
  - Led development of a web-enabled MVP for catalog browsing, cart creation, and order placement.
  - Implemented role-based access control and resolved security flaws.
  - Collaborated with cross-functional teams to meet CMMC standards and project milestones.
  - Worked closely with PMO for project planning and with Infrasec to identify and implement cybersecurity measures.
- **Assignment Portfolio Website, HTML/ CSS, Class Project**
  - Built a class projects website to showcase academic work with a clean, organized layout.
  - Designed intuitive navigation with sections dedicated to different projects.
  - Ensured a responsive user experience across various screen sizes, enhancing accessibility.
- **alienman, Python/ Pygame, Class Project**
  - Developed a custom Hangman game with a dictionary for diverse words, enhancing replayability and reinforcing data structures and game logic.
- **dodger, Python/ Pygame, Class Project**
  - Created a custom version of Dodger, allowing players to avoid falling objects while implementing real-time score tracking and responsive controls for enhanced gameplay.
- **Bomb Maze, Python/ Pygame, Class Final Project**
  - Reskinned and customized existing game code to develop an original maze-navigation game.
  - Implemented a structured game flow with distinct start, play, and game-over phases.
  - Developed mechanics for three looping rooms, using collision detection to enable players to navigate while dodging endless bombs, with no time limit for enhanced engagement.