Hector Barahona

hbarharona022@gmail.com . 415-717-5415 . [LinkedIn](#) . [GitHub](#) . [Portfolio](#)

EDUCATION

Tulane University || New Orleans, LA   August 2023

Bachelor of Science in Information Technology, GPA: 3.7 *cum laude*

• Concentration in Integrated Application Development

      Relevant Coursework:

- **Programming & Development:** Intro to Programming (C++), Programming Concepts 1 (C++), Object-Oriented Programming with Java, Python Game Development, Relational Database Design & Development, Webpage Design & Development, Automation & Bot Development (Automation Anywhere), Virtualization and Cloud, Database Fundamentals
- **Technology & Cybersecurity:** User Interface/Experience Design, Fundamentals of Cybersecurity, Data+ Certification, Networking Fundamentals, IT Infrastructure Fundamentals, Product Development Lifecycle Capstone, System Analysis & Design, Technology & Ethics, Certified Ethical Hacker

SKILLS

Certifications - Automation Anywhere RPA Essentials for Students (Automation 360) - In Progress

Coding - HTML / CSS, JavaScript, C++, Python / Pygame, PHP, SQL

Tech - Automation 360, MySQL, Figma, Lucid Chart, Git, GitHub, Azure, Adobe Photoshop/ Illustrator, Google Programs: docs, sheets, and slides, Microsoft Office, Visual Studio Code

Language – Native Spanish / English

WORK EXPERIENCE

South Balance (Capstone Project): *Web Development Intern*   01/2023 – 05/2023

- Led the development of a web-enabled MVP for South Balance's Cybersecurity Maturity Model Certification (CMMC) compliance, streamlining order processing workflows using HTML, CSS, PHP, and MySQL.
- Designed and implemented key features allowing users to browse catalogs, create carts, and place orders, improving functionality and user experience across the platform.
- Coordinated with cross-functional teams to ensure CMMC compliance, applying Agile methodology to adapt to scope changes, including transitioning from Python to PHP, while implementing role-based access control and cybersecurity measures.

Whole Foods Market: *Grocery Team Member*   04/2021 – Present

- Provide excellent customer service, address needs of customers in a timely & 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.

PROJECTS

Personal Portfolio Website – React.js, Node.js, Express.js, CSS3, VsCode, Vercel

- Forked and personalized a React.js-based portfolio website, leveraging Node.js and Express.js for dynamic content and CSS3 for responsive and visually engaging design.
- Enhanced the skillset and tools section by implementing hover and click interactions that reveal or persist the icon titles
- Deployed the portfolio on Vercel, utilizing its free-tier hosting to showcase projects, skills, and contact details seamlessly. Used Visual Studio Code with Git and GitHub for version control

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.

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.