

Hector Barahona

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EDUCATION

Tulane University || New Orleans, LA

Jan. 2021 – Aug. 2023

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

- Concentration in Integrated Application Development

Programming and Development Courses:

- Intro and Advanced C++
- Python Game Dev.
- Virtualization and Cloud
- Webpage Design
- Database Fundamentals, Design and Dev.
- Object-oriented Programming with Java
- Automation & Bot Dev.

Technology & Cybersecurity Courses:

- UX/UI Design
- IT Infrastructure
- System Analysis and Design
- Ethical Hacking
- Data+

SKILLS

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

Jan. 2023 – May 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: Team Trainer (Grocery; Bakery)

Apr. 2021 – Mar. 2025 ; Aug. 2025 – Present

- Lead training for a 20-person team, ensuring excellence in customer service, safety, and compliance
- Provide feedback and guide skill development to foster a positive team environment
- Optimize SOPs by identifying inefficiencies to improve accuracy, reliability, and efficiency
- Document workflows and procedures to support consistency and knowledge transfer among team
- Coordinate training schedules and track progress, demonstrating strong project coordination
- Communicate technical and process information clearly to non-technical users and stakeholders

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 & tools section by implementing hover & click interactions that display 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

[**Scientific Computing with Python -- FreeCodeCamp Projects**](#)

- My solutions to the freeCodeCamp projects, covering Python fundamentals, data manipulation (handling lists, dictionaries, and file operations), & algorithmic problem-solving (breaking down complex problems).

[**NeetCode 150 Practice Repository Using - Python**](#)

- Tracks my progress as I solve LeetCode problems, following NeetCode's curated list of 150 essential questions

[**Assignment Portfolio Website, HTML/ CSS, Class Project**](#)

- Built a clean, organized layout to showcase academic work with intuitive navigation across project sections.
- Ensured a seamless user experience across various screen sizes, improving accessibility.