José Benítez

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EDUCATION

University of Notre Dame, *Notre Dame, IN*   **Expected Graduation: May 2024**
  College of Engineering, *Bachelor of Science in Computer Science*   *GPA: 3.63/4.00*
    Major: Computer Science | **Minor:** Engineering Corporate Practice
        Spain Engineering Summer Study Abroad, Summer 2022 | Silicon Valley Semester Abroad, Spring 2023

SKILLS

Skills: Python, C, C++, Linux, JavaScript, AutoCAD, HTML, CSS, MySQL, AWS, React JS, Node JS, MATLAB, Next JS, ARM, Assembly, Docker, EC2, Sisense Dashboards, High Charts, Lambda Functions, Agile, Git, OpenCV, Redux, Kotlin
Certificates: Microsoft Technology Associate: Security Fundamentals | MTA: Database Administration Fundamentals
Other: Fluent Spanish

WORK EXPERIENCE

Copia PBC, *Software Engineer Intern, Palo Alto, CA*   **Winter 2023 – Summer 2023**
- Supported the logistics and analytics of commercial food donations at a rapidly growing startup by developing, maintaining, and improving the Web Portal used by thousands daily.
- Utilized front-end frameworks and libraries such as React JS, Semantic UI and Redux to deliver user-friendly interfaces and streamlined workflows for managing donations and matching them with recipients. Implemented API endpoints to manage these requests.

Notre Dame CSE Theory of Computing, *Teaching Assistant, Notre Dame, IN*   **Fall 2022**
- Provided support to student learning the fundamental concepts that form the backbone of the field of Computing including Combinational Logic, Complexity, Finite Automata, Pushdown Automata, and Turing Machines.

Ernst & Young, *Technology Consulting Intern, Chicago, IL*   **Summer 2022**
- Integrated into a cross-functional team of developers, designers, and business analysts amid building a web platform for American Public Life Insurance Company.
- Assisted senior consultants in conducting comprehensive technology assessments for multiple client organizations, resulting in improved IT infrastructure, systems, and processes.
- Supported the development of project deliverables, including technical specifications, process maps, and project documentation, during agile sprints for 3 successful implementations.

PROJECTS

B-Minor Compiler, *Software Developer, South Bend, IN*   **Fall 2023**
- Developed C to x86 assembly compiler in five stages: scanning, parsing, type checking, source translation, and code generation.
- Gained expertise in automata theory and assembly languages.

Eye Track, *Computer Vision/ Software Developer, South Bend, IN*   **Fall 2023**
- Leveraged OpenFace, MediaPipe, and PyTorch skills to engineer a real-time computer vision system, enabling accurate user gaze detection and tracking. This system seamlessly translated gaze data into precise mouse controls.
- Implemented advanced noise reduction techniques to fine-tune model accuracy, ensuring a reliable and responsive user interface.

Ambienta LLC, *Co-founder & Software Developer, San Juan, PR*   **Summer 2023**
- Founded and led a manufacturing company committed to delivering personalized products to our clients, completely transforming their environment with a touch of uniqueness, and translating their abstract ideas into tangible solutions.
- By utilizing AutoCAD for creating accurate and personalized designs and employing Flow software and water jet mechanics, I successfully oversaw the production process for art pieces cut with a Computer Numeric Control (CNC) machine.
- Developed and implemented an application and internal tools leveraging Next.js and MongoDB's open-source capabilities and scalability benefits to streamline the cost estimation process with the end goal of enhancing team efficiency and maximizing product exposure on the web.

Mariano's Restaurant Website, *Full Stack Developer, Notre Dame, IN*   **Fall 2022**
- Designed, developed, and deployed a website for the O'Neill Family Hall's kitchen alongside two other team members. This application was built in React, Node, Express, and MySQL. It was deployed and hosted using Planet Scale, Amplify, and EC2, AWS platforms.
- Implemented an optimized client ordering experience, resulting in a 60% reduction in ordering time, through the creation of an intuitive user interface that simplifies the server-client interaction.

ACTIVITIES AND LEADERSHIP

Building Bridges Club, *Mentor, Notre Dame, IN*   **Fall 2020-Present**
- Lead and mentor a group of 15 first-year Computer Science students, offering career advice, sharing coding tips, and providing access to valuable resources meant to expand their horizons and showcase the wide range of opportunities available in the field.