Mariana González Béjar

mariana.gzzb@gmail.com | (574) 340-8121
http://www.linkedin.com/in/mariana-gonzalez-bejar | https://github.com/mgzzb

EDUCATION

University of Notre Dame - *Bachelor of Science | GPA: 3.5*   **Notre Dame, IN, USA**
Major: Computer Science | Minor: Engineering Corporate Practice   Expected Graduation: May 2024

SKILLS

- **Technical Skills:** C, C++, Python, JavaScript, Java, Coffee Script, MATLAB, CSS, HTML, R, Verilog, React-Native, REST API, Cloud API, Azure, AWS, Docker, Django, and GIT. | Adobe: Photoshop, InDesign, illustrator.
- **Languages:** Fluent in Spanish and English.

INTERNSHIP EXPERIENCE

Echo Global Logistics   **Chicago, IL, USA**
Software Engineer Intern   June 2023 – August 2023
- Ensured server was running correctly after identifying errors by debugging python code and conducting thorough testing and validation.
- Trained models to automate business decisions and tested the APIs with Postman to ensure the models were delivering correct results.
- Analyzed team's productivity and efficiency in delivering tasks within a sprint by presenting key metrics in Azure DevOps dashboard.

Arca Continental – Beverage Company   **Monterrey, NL, MX**
Technological Innovation Intern   June 2022 – August 2022
- Created a Python chatbot with WhatsApp API and worked with Jelou to implement product in customer services to automate process.
- Researched over 10 augmented reality methods to develop and apply tools (such as guides) to assist plant workers with training process.
- Implemented a vending machine tracking program to track inventory and be able to optimize sales with an algorithm and data analysis.

Almex - LTL Trucking Company   **Monterrey, NL, MX**
Summer and Winter Intern   December 2020 & June 2021- July 2021
- Collaborated with the Operations team to learn and analyze data utilizing Power BI and Excel to optimize trucks routes and schedules.
- Designed a new and innovative tracking label for more efficient handling within the storage, tracking, and the IT department.

TECHNICAL AND LEADERSHIP PROJECTS

CSE Service Projects   **Notre Dame, IN, USA**
GoodWill App Development, Team Member   January 2022 – May 2022
- Created an App for a non-profit organization in South Bend, Indiana to keep record of vulnerable people and crime attacks.
- Developed an app using React-Native and an SQL Database with a group of 6 students by collaborating through GitHub.
- Translated information from Spanish to English and worked on front-end issues with the non-profit organization website in HTML.

Data Structures   **Notre Dame, IN, USA**
Data Structures Project, Team Member   August 2021 – December 2021
- Prepared detailed memorandums documenting project progress, including milestones achieved, risks, and solutions to address challenges.
- Applied Dijkstra's Algorithm to a Python program where it found the shortest distance between places on Notre Dame Campus.

Logic Design   **Notre Dame, IN, USA**
Logic Design Project, Team Member   August 2021 – December 2021
- Created a Verilog program to read data from RAM, perform multiplication operations, and accumulate the results to a pre-existing sum.
- Displayed results on a DE2-115 Altera board in hexadecimal and used serial communication module in PuTTY for the input value.

PROFESSIONAL EXPERIENCE

Droid Building   **Notre Dame, IN, USA**
Teaching Assistant, Team Member   January 2023 – Present
- Guided a group of students to design and construct a fully functioning droid with autonomous movement, remote-control and audio.
- Integrated hardware components, solved technical challenges, and developed a code for the Arduino board to enable a functional droid.

Office of Information Technologies   **Notre Dame, IN, USA**
Help Desk Student Consultant   August 2021 – Present
- Troubleshoot over 20 clients per day by diagnosing and resolving issues related to network connectivity, Windows and Mac OS and applications including (but not limited to) MS Office, Google Apps, Adobe Creative Suite, browsers, and antivirus software.

The Coding School codeConnects   **Online, USA**
One-on-One Teacher, CS for Good Club   January 2023 – Present
- Teach weekly Python classes and work with my students on activities, labs and projects that enhance their learning experiences.

Extracurricular Activities: CS for Good, *Team Leader*, 2021-2024 | Operation Smile, *Fundraising Coordinator*, 2021-2024 | Society of Women Engineers, *Member*, 2020 – 2024 | Latino Honor Society, *Member,* 2020 – 2024 | Society of Hispanic Engineers, *Member*, 2022 – 2024