

Mariana González Béjar

mgonza32@nd.edu | (574) 340-8121
<http://www.linkedin.com/in/mariana-gonzalez-bejar>

EDUCATION

University of Notre Dame - Bachelor of Science in Engineering | GPA: 3.4
Computer Science | Minor: Engineering Corporate Practice

Notre Dame, IN, USA
Expected Graduation: May 2024

TECHNICAL PROJECTS

CSE Service Projects

Notre Dame, IN, USA

Good Will App Development, Team Member

January 2022 – May 2022

- » Planned 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.

El Campito Website, Team Member

- » Translated information from Spanish to English and worked on front-end issues with the non-profit organization website in HTML.

Technology Class in Robinson Community Learning Center, Team Member

- » Led classes to help the elderly community understand the new technologies (Venmo, Online Shopping, YouTube and Zoom).

Data Structures

Notre Dame, IN, USA

Data Structures Project, Team Member

August 2021 – December 2021

- » Delivered weekly code reviews of C++ and Python with professional memorandums detailing project progress, assessed risks and alternatives, developed prototypes, and determined new project objectives.
- » 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 program using Verilog, summing products that were controlled by values being passed into two RAM's which would then be multiplied and added to the pre-existing sum that started at a value of zero. We displayed results on a board in hexadecimal value.

Student International Business Council

Notre Dame, IN, USA

Microsoft Project, Travel Team Member

August 2020 – December 2020

- » Designed the implementation of a mobile application to develop soft and hard skills to aid those affected by Covid-19 job market.

PROFESSIONAL EXPERIENCE

Office of Information Technologies

Notre Dame, IN, USA

Help Desk Student Consultant

August 2021 – Present

- » Troubleshooted over 20 clients a day with 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.

Arca Continental – Beverage Company

Monterrey, NL, MX

Innovation Technology Intern

June 2022 – August 2022

- » Coded in Python an interactive chatbot using WhatsApp API and worked with Jelou to implement the product in customer services.
- » Researched augmented reality methods to develop and apply tools (such as guides) to assist and facilitate the tasks of plant workers.
- » Conceptualized a vending machine tracking program to track inventory and be able to optimize our sales and work efficiency.

Almex - LTL Trucking Company

Monterrey, NL, MX

Summer and Winter Intern

December 2020 & June 2021- July 2021

- » Collaborated with the Operations team to analyze data utilizing Power Bi and Excel to propose solutions.
- » Designed a new and innovative tracking label for more efficient handling with storage and the IT department.

Model United Nations Secretariat

Santa Catarina, NL, MX

Under-Secretary General of the Hospitality Department

August 2018 – June 2020

- » Led the recruitment of over 600 international delegates to attend the Simulation and negotiated deals to accommodate all guests.
- » Delegated departmental tasks and supervised completion of all Hospitality-related endeavors.

SKILLS

- » C, Python, JavaScript, Java, Coffee Script, MATLAB, CSS, HTML, C++, R, Verilog, React-Native (less experience), and Cloud API.
- » Microsoft: Excel, Word, PowerPoint, Power Bi. | Adobe: Photoshop, InDesign, illustrator.
- » Fluent in Spanish and English

ACTIVITIES & HONORS

CS for Good, *Member*, 2021-2023 | Operation Smile, *Fundraising Coordinator*, 2021-2023 | Latino Honor Society, *Member*, 2020 – 2023
Society of Women Engineers, *Member*, 2020 – 2023 | Association of Latino Professionals for America (ALPFA), *Member*, 2020 – 2023
Notre Dame Dean's List – College of Engineering Fall 2020 | AP Scholar with Distinction 2019