

Mariana Ochoa

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Portfolio: <https://maoc1414.github.io/portfolio/>

TECHNICAL SKILLS

Languages

- C++, Python, HTML, CSS, SQL

Frameworks/Tools

- NumPy, Pandas, Matplotlib
- Godot Game Engine
- Git

Concepts

- Data structures & Algorithms
- Object-Oriented Programming
- Data Analysis

Additional

- Spanish Fluency

PROJECTS

Pokemon Team Builder (Python)

- Built a recommendation system using the A-priori algorithm to identify frequent Pokemon pairings from a dataset
- Processed and analyzed datasets using Pandas and NumPy
- Improved team recommendations based on frequency analysis

VIABLE Virtual Lab (GDScript)

- Refactored an existing codebase to ensure compatibility with the latest version of the Godot engine, resolving bugs that prevented the module from running as intended
- Implemented a new simulation module within the updated architecture that integrated with the existing system
- Collaborated in a team environment using GitHub to test changes and document module functionality

WORK EXPERIENCE

Inventory Processor/Fulfillment

Nordstrom Rack | Boulder, CO | Aug 2025 - Current

- Collaborated across departments to ensure accurate inventory processing
- Maintained accuracy while handling a high-volume of online orders

Barista

Starbucks | Longmont, CO | May 2021 - Jul 2025

- Worked in a fast-paced, high-volume environment that frequently required accuracy and multitasking
- Collaborated with team members to meet operational and customer service goals

EDUCATION

Bachelor of Science in Computer Science Engineering

University of Colorado Boulder | GPA 3.091 | May 2025