Maria Ruiz Bravo

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https://mariarbravo.github.io

Third-year software engineering student with hands-on IT experience and a strong academic foundation in object-oriented design, digital logic, and data engineering.

EXPERIENCE

University of Arizona, Tucson — *IT Analyst Student Worker*

May 2025 - PRESENT

Provided front-line technical support for hardware, software, and network issues.

Assisted in imaging laptops, managing service tickets, and documenting IT processes.

Collaborated with professional staff to resolve technical issues across multiple departments.

EDUCATION

University of Arizona, Tucson—*B.S. Software Engineering*

Expected Graduation: May 2027
GPA: 3.825

PROJECTS

Interactive Nutrition Assistant

Designed a complete ETL pipeline to retrieve and clean public API data using Pandas

Integrated OpenAI API to analyze and enhance extracted data

Exported results to the AWS database for long-term storage and querying.

Accounting pdf data algorithm

Built an algorithm to extract structured tabular data from unstructured accounting PDF files.

Implemented parsing logic to handle irregular formats and inconsistencies in financial statements.

Online Resume

Developed a personal resume website hosted on GitHub Pages.

Designed responsive layouts using HTML, CSS, and JavaScript.

Software requirements Specifications document

Wrote a comprehensive SRS document with a team outlining functional and non-functional requirements.

Recognized with first-place distinction for best SRS document in course.

SKILLS

Programming Languages: C, C++, Python, Verilog, HTML, CSS, JavaScript

Tools & Libraries: Pandas, NumPy, Git/GitHub, VS Code, Vivado, Jupyter Notebook, FPGA

Frameworks & Deployment: AWS RDS, Streamlit, GitHub Pages

Concepts: ETL Pipelines, SQL, Debugging

AWARDS

Academic Year Academic Distinction - 2024

Dean's List with Distinction - Full Time - 2024

Global Wildcat Award - 2023

LANGUAGES

English - Fluent

Spanish - Fluent

French - Intermediate