Esmeralda Vergara Magana

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Education

Boise State University   Expected in December 2027
Bachelor of Science: **Computer Science**
Boise, ID

College of Southern Idaho   May 2025
Associate of Science: **Computer Science**
Twin Falls, ID

Work Experience

First Federal Bank   January 2023 to August 2025
Banking Associate
Jerome, ID

- **System Problem-Solving:** Analyzed and resolved complex financial system issues for clients, demonstrating strong troubleshooting skills, and attention to detail under pressure.
- **Analytical and Communication Skills:** Served as the key liaison between clients and the back-office support team, translating technical system constraints into clear, non-technical explanations for users.
- **Data Integrity & Security:** Managed and maintained confidential client data within a secure system, strictly adhering to compliance protocols, and emphasizing data integrity and professionalism.

Projects

ML Game: Paw-mpkin Patch

Technologies: Python, Machine Learning (ML), CSS, HTML, JavaScript |Fall 2025

- Designed and implemented an interactive web game that uses real-time Machine Learning to process user input.
- Developed a custom ML model to accurately detect and map finger movement to control the on-screen character's position.
- Integrated the front-end game interface (HTML/CSS/JavaScript) with the Python ML backend to enable low-latency, real-time control.
- Managed the entire project lifecycle and source code using Git/GitHub.

Activities and Involvement

Society of Hispanic Professional Engineers (SHPE)
Member | Boise State University (BSU)2025 to Present
2025 – Present
TRIO Program
Participant | College of Southern Idaho (CSI)2023 to 2025
2023 – 2025
STEM Club
Member | College of Southern Idaho (CSI)
2023 – 2025

Technical Skills

- Front-end technologies
- Software project management
- IDE familiarity
- UI and UX design
- Web development
- Team collaboration
- Object-oriented programming
- Git

Languages

Spanish:

████ ████ ████ ████ ████
Native/ Bilingual

English:

████ ████ ████ ████ ████
Native/ Bilingual

Korean:

████ ░░░░ ░░░░ ░░░░ ░░░░
Elementary