

# JOSE ISLAVA

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Aspiring software developer transitioning from a welding background, bringing strong problem-solving skills and attention to detail. Solid foundation in Object-Oriented Programming, REST API development, and full-stack web technologies. Passionate about writing clean, maintainable code following SOLID principles. Seeking an opportunity to apply technical expertise, collaborate with experienced developers, and build innovative solutions.

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## EDUCATION

### BACHELOR OF SCIENCE IN APPLIED COMPUTING

University of Arizona

Expected graduation: May 2025

- Relevant Coursework: Object-Oriented Programming, Programming in Python, C Programming, Data Structures, Algorithms, Networking fundamentals.
  - GPA 3.7
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## PROJECTS

Developed a Web-based employee management system with features aligning with industry standards.

- Implemented REST API for employee CRUD operations using Flask.
- Created dynamic web pages using Flask's Jinja templating engine.
- Integrated secure user authentication using bcrypt for password hashing.
- Utilized logging for debugging.
- Designed and optimized a SQLite database storage system for scalability.

## CURRENTLY WORKING ON

- Developing hand signal detection software to improve safety in construction zones
  - Using OpenCV TensorFlow, Keras API to train a CNN model
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## TECHNICAL SKILLS

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|---------------------------------------|--|
| • Languages: Python, C, C#, C++       | • Tools: VS Code, Git, Logging, Bash scripting (learning)  |
| • Frameworks: Flask, Django           | • Databases: SQL, JSON data modeling   |
| • Operating Systems: Windows, Linux   | • Concepts: REST API Development, CI/CD Pipelines, Object Oriented Programming, Algorithms and Data structures |
| • Frontend development – HTML, CSS    |  |
| • Backend development – Flask, Python |  |
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## SOFT SKILLS

- Communication
- Collaboration
- Problem Solving (analytical mindset)
- Fluent in English and Spanish
- Teamwork

- Adaptability
  - Quick learner
  - Time management
  - Attention to detail
  - Strong leadership skills acquired as a sergeant in the United States Marine Corps
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