

JOHN MORKOVCI

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Relevant Experience

Aztec Insurance Services

Moreno Valley, CA

Pro Bono Software Engineer

February 2024 – August 2024

- Built and deployed Python automation scripts, reducing manual effort in claims processing by 40%.
- Optimized SQL databases, improving data retrieval and storage efficiency.
- Integrated third-party APIs, enhancing payment processing and customer data accuracy.

Projects

Image Classification for Animal Breeds ([github.com](#))

- Developed an image classification model using PyTorch to identify different animal breeds with an accuracy of 71%
- Built and fine-tuned a convolutional neural network using ResNet architecture.
- Developed a Flask web application to support predictions. Utilized CUDA for efficiency.

Summoner Bot ([github.com](#))

- Created a Python-based Discord bot directly supplying detailed player statistics and game insights for League of Legends enthusiasts.
- Developed backend logic to handle commands interacting with Riot & Discord API's
- Leveraged Postman for API exploration and testing to ensure accurate integration and response handling. Utilized Heroku's cloud platform for deployment.

Leadership/Campus Involvement

CSUF Esports

Fullerton, CA

Team Manager

August 2020 – December 2023

- Managed a roster of five esports players and maintained consistent communication with other collegiate esports team representatives to coordinate practice, games, and meetings.
- Utilized Excel to calculate player statistics and schedules, improving team performance.

Association for Computing Machinery at CSUF

Fullerton, CA

AI Member

December 2023 – October 2024

- Organize and host weekly AI-focused meetings, introducing students to core artificial intelligence and machine learning topics through interactive workshops and collaborative demos.
- Collaborate with board members and other team boards to discuss upcoming plans, develop new ideas, and improve meeting presentations.

Technical Skills

Programming Languages: Python, JavaScript, C++, C, SQL, HTML, CSS, PHP

Frameworks: Django, Flask, React, PyTorch, Scikit-learn, AWS, Git, MySQL, Node.js

Developer Tools: Visual Studio, IntelliJ IDEA, GitLab, Docker, Postman, Windows, Linux

Education

California State University Fullerton

Anticipated Fall 2025

Bachelor of Science, Computer Science

- **Relevant coursework:** OOP, Data Structures, Software Engineering, Database Systems, Algorithm Engineering, Operating System Concepts, Cybersecurity,
- **Certifications:** Google Technical Support Fundamentals, Google Data Analytics