

JOHN MORKOVCI

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Professional Experience

theCoderSchool | Corona, CA

January 2025 - Present

Code Coach

- Provided in-depth code reviews, driving **significant improvements** in code quality, adherence to best practices, & design patterns
- Guided 10-15 aspiring developers through **personalized coaching sessions**, collaborative pair programming using **Python & JavaScript**, & engaging group workshops

Aztec Insurance Services | Moreno Valley, CA

February 2024 - August 2024

Software Engineer

- Made & deployed **Python** automation scripts, reducing manual effort in claims processing by 40%
- Conducted optimization of **SQL databases**, reducing average query execution time from 3 seconds to under 1 second, drastically improving data retrieval efficiency
- Enhanced payment processing efficiency by integrating **Square's third-party APIs**
- Followed 2 week **Agile** sprints, stand-ups, and retrospectives via **Jira** to ensure high-quality software delivery.

Projects

Image Classification for Animal Breeds

- Trained an image classification model using **PyTorch** to identify different breeds with an accuracy of 71%
- Built and fine-tuned a convolutional neural network using **ResNet architecture**
- Compiled a **Flask web** application to handle predictions. Utilized **CUDA** to boost training times by 5x

Summoner Bot

- Created a **Python**-based Discord bot providing player statistics to over **50 servers and hundreds of users**
- Developed **backend** logic to handle commands interacting with six different Riot **API endpoints**

Campus Involvement

Association of Computing Machinery | Fullerton, CA

December 2023 - October 2024

AI Member

- Organized monthly **AI**-focused meetings, introducing students to core topics through interactive workshops and collaborative demos
- **Collaborated** with board members to discuss upcoming plans, ideas, and improvements to 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, YOLOv7/8

Education

California State University Fullerton

December 2025

Bachelor of Science, Computer Science

- Relevant coursework: Object-oriented programming, Data Structures, Software Engineering, Database Systems, Algorithm Engineering, Edge AI, Software Testing, Software Architecture