William Miras

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EDUCATION

California State University - Sacramento August 2024 – May 2026
Bachelor of Science in Computer Science, GPA 3.5

Los Rios Community College - American River August 2021 – May 2024
Associates of Science in Mathematics and Computer Science, GPA 3.5

TECHNICAL SKILLS

- C, C++, Python, Java, Git, Arduino, Embedded Systems, TensorFlow, Google Colab - Jupytr Notebooks, Machine Learning, Data Science

EXPERIENCE

In-N-Out Burger, Davis, CA April 2021 – Present
Level 6 Associate

- Received multiple awards for great customer service, hard work, and leadership from my Store Manager, Shift leads, and Divisional Manager
- Worked 30 hours per week in a high-stress environment completing tasks on time
- Tasked with the responsibility of the store and store key while working without a manager present
- Trained new and existing associates

USSF Soccer Referee, Northern California January 2015 - January 2023
Pre-MLS Soccer Referee

- In 8-years of experience, I managed all types of players, parents, coaches, and teams of referees in a high-stress environment
- Responsible for leading and managing teams of referees and reporting back to the site administrator
- Trained and evaluated new and experienced referees
- Worked many 12-hour days keeping the same high level of skill throughout the day

PROJECTS

Wildfire Risk Assessment Model (WRAM) - *AI Hackathon Finalist* October 2024

- Achieved 2nd place and a $500 prize in the Sacramento State University's AI Hackathon competing against 20 different teams
- Used Sentiel-2 Satellite data to train a Convolutional Neural Network using the U-Net architecture with TensorFlow
- Segmented images across 12 channels with 92% accuracy in identifying areas with the highest risk of wildfires using 80% for training, 20% for testing
- Formed and worked in a group of 5 using Google Colab following a typical Data Science approach

Autonomous Firefighting Robot – *Competitive Robotics Team* August 2024

- Worked on the Embedded Systems Programming team with the task to program the ultrasonic sensors using Arduino and a breadboard
- Reduced unwanted measurements from the sensors and improved results by 20%
- Finished tasks in one week's time, helping the team test results and quality of the robot before the competition

CAMPUS INVOLVEMENT

Data Science Club – Sacramento State University August 2024 – Present
Vice President

- Organized club meetings and events
- Researched projects and learning modules to help members and the committee learn more about Data Science
- Connected the club with alumni and professionals in the field of Data Science and Computer Science

Competitive Robotics Team – Sacramento State University August 2024 – Present
Member

- On the embedded software programming team, I worked on the Autonomous Firefighting Robot
- Utilized Arduino IDE for coding an Arduino microcontroller, integrating Ultrasonic Sensor inputs for real-time response improvements
- Attended optional club workshops to advance skills in software engineering and development