

# William Miras

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## EDUCATION

### California State University - Sacramento

August 2024 – May 2026

*Bachelor of Science in Computer Science, GPA 3.6*

### 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, JavaScript, HTML, CSS, Git, Arduino, Embedded Systems, TensorFlow, Neural Networks, Google Colab - Jupyter Notebooks, Machine Learning, Data Science, Microsoft Suite, VS Code

## EXPERIENCE

### In-N-Out Burger, Davis, CA – Level 6 Associate

April 2021 – Present

- 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 - Pre-MLS Soccer Referee

January 2015 – January 2023

- Managed all types of players, parents, coaches, and teams of referees in a high-stress environment with 8-years of experience
- 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 2<sup>nd</sup> place, a \$500 prize, and \$5000 AWS Credits in the Sacramento State University's AI Hackathon
- Used Sentinel-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
- Outputted a heat map of the Satellite images showing the highest risk of wildfires
- 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 tasked with programming ultrasonic sensors using Arduino and a breadboard
- Reduced unwanted measurements from the sensors and improved results by 60%
- Finished tasks in one week's time, helping the team test results and quality of the robot before the competition

### Personal Website – Personal Project

- Used GitHub Pages and VS Code to create my own personal portfolio website
- Utilized HTML, CSS, and JavaScript for the website and contact form
- Tested website with peers, friends, and family to improve upon it and smoothen out all bugs

## CAMPUS INVOLVEMENT

### Data Science Club - Sacramento State University – Vice President

August 2024 – Present

- 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 - Member

August 2024 – Present

- 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