William Miras

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EDUCATION

California State University - Sacramento August 2024 – May 2026
Bachelor of Science in Computer Science, GPA 3.6
Coursework: Data Structures and Algorithms Analysis, Software Engineering, Statistics

Los Rios Community College - American River August 2021 – May 2024
Associates of Science in Mathematics and Computer Science, GPA 3.5
Coursework: Object Oriented Programming, Data Structures and Algorithms, Linear Algebra, Discrete Mathematics

TECHNICAL SKILLS

Languages: C, C++, Python, Java, HTML, CSS, JavaScript
Developer Tools: Git, GitHub, Arduino, Jupytr Notebook
Libraries: Tensorflow, PyTorch, pandas, Numpy

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
- Trained new and existing associates to improve flow of business and functionality of the store

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
- Responsible for leading and managing teams of referees and reporting back to site administrators
- Trained and evaluated new and experienced referees to handle conflicts and player, coach, and game management

PROJECTS

SecureCoin Sentinel | *Python, PyTorch, pandas, Numpy, GitHub* February 2025 – March 2025

- Competed in Sacramento State University's AI Hackathon – Finance Division
- Led AI Modeling team, organizing model structure and accelerated development to meet deadlines
- Analyzed new last minute model structure to have a presentable and complete project before presentations
- Improved hybrid model accuracy by 30% by researching, fitting, and implementing a new model and dataset
- Increased overall functionality by researching and implementing FNN, RNN, and codeBERT into final hybrid model

Personal Website | *HTML, CSS, JavaScript* January 2025 – Present

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

Wildfire Risk Assessment Model (WRAM) | *Python, TensorFlow, pandas, Jupytr Notebook* October 2024 – October 2024

- Achieved 2nd place, a $500 prize, and $5000 AWS Credits in the Sacramento State University's AI Hackathon
- Analyzed Sentiel-2 Satellite imagery to train a Convolutional Neural Network using the U-Net architecture
- Improved model to 92% accuracy by analyzing results in Juptyr Notebook and utilizing TensorFlow tools
- Final results were as expected – a heat map showing the highest areas of risk of wildfires in Northern California

Autonomous Firefighting Robot | *C++, Arduino, Git* August 2024 – September 2024

- Worked on the Embedded Systems Programming team programing ultrasonic sensors using Arduino and a breadboard
- Implemented functions to reduce unwanted outliers and average readings from sensors, increasing accuracy by 60%
- Finished tasks timely to help the team test results and quality of the robot before the competition

CAMPUS INVOLVEMENT

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

- Organized club meetings, events, projects, and workshops
- Researched projects and learning modules to help members and the committee learn more about Data Science
- Outlined project guidelines, plans, and deadlines for streamlined project development
- Learned skills necessary to analyze data, neural network models, and refine models and data to desired project needs

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

- Collaborated with likeminded peers on the embedded systems programming team
- Used Arduino IDE, C++, an Arduino microcontroller, and breadboard to integrate Ultrasonic Sensor inputs in real-time
- Attended optional club workshops to advance skills in software engineering, development, and embedded systems