

# Michael Mehrdadi

 Sacramento, CA |  (916) 835-2324 |  [michaelmehrdadi123@gmail.com](mailto:michaelmehrdadi123@gmail.com) |  [Portfolio](#)

## Summary

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Software Engineer and Full-Stack Developer with experience building fast, reliable, and user-friendly applications. Skilled in frontend and backend development, including React, TypeScript, Python, and API integration. Strong at solving problems, improving performance, and working with teams to deliver high-quality software.

## Professional Experience

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### Software Engineer

AdVran Inc. | Sacramento, CA | June 2025 - Current

- Developed Credential Sentinel, a web platform to audit credential exposure and domain vulnerabilities
- Integrated AI with SentinelOne to automate threat triage, reduce false positives, generate detection insights.
- Automated security workflows and delivered monthly audit reports with trend tracking and actionable intelligence, boosting incident response efficiency.

### STEM Student Intern

California Air Resources Board Research Division | Sacramento, CA | Oct 2024 – August 2025

- Developed Python scripts to automate long manual tasks and streamline workflows.
- Created web-scraping tools to collect, analyze, and transform large datasets.
- Performed data transformations and manipulations, producing visualizations with ObservableHQ.
- Managed XML batch upload testing, demonstrating enumerations to RMP R3 users.
- Managed and maintained Drupal based web content, ensuring accuracy, accessibility, and timely updates.

### Web Developer

American River College Design Hub | Sacramento, CA | Aug 2022 – Dec 2022

- Built a file management website enabling seamless uploads, downloads, and sharing for educators.
- Increased efficiency in file retrieval by 40% and reduced upload errors by 25%.
- Developed a responsive front-end using React, Node.js, and Express.js.
- Live Demo: [ARC File Manager](#)

### Service Porter

Niello BMW | Sacramento, CA | Jun 2021 – May 2024

- Provided customer service excellence, ensuring high satisfaction scores and seamless service operations.
- Efficiently managed vehicle logistics to improve dealership workflow.

## Projects

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### HCAI GIS Web App (Senior Project)

- Developed a full-stack GIS platform for California's HCAI using React, TypeScript, and Django Ninja.
- Built HPSA search functionality supporting both coordinates and address lookup via Azure Maps.
- Implemented shapefile and CSV upload endpoints, Redis caching, and spatial data rendering with PostGIS.
- Deployed and tested locally using Docker; designed for Azure cloud handoff.
- GitHub: [github.com/CAHCAI/Geo](https://github.com/CAHCAI/Geo) Live: <https://geo.hcai.ca.gov/hpsa-search>

### Portfolio Website

- Designed and developed a fully responsive personal portfolio using Next.js, React, and Flowbite UI.
- Improved page load times by using Next.js static generation.
- Integrated GitHub project showcases and real-time resume updates.
- Live Demo: [Portfolio](#)

#### Sacramento State IEEE Website

- Led front-end development for IEEE CSUS club website, attracting over 50 active student users.
- Built dynamic content sections and an interactive event calendar.
- Live Demo: [IEEE CSUS](#)

#### Game of Life (Java)

- Developed a custom Java-based graphics engine to simulate cellular automaton.
- Optimized computation to run 50% faster than naive implementations.

### Education

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#### **California State University, Sacramento**

B.S. Computer Science (May 2025)

Relevant Courses:

- Web Programming (A), Database Management Systems (B), Operating System Principles (B)
- Advanced Database Systems, Parallel Programming on GPUs, Software Engineering
- Computer Networks, Data Visualization (A), Computer Organization, Software Testing & QA

#### **American River College**

A.S. Computer Science (Dec 2022)

Relevant Courses:

- Algorithm Analysis, Business Intelligence, Data Analytics & Visualization, Computer Network Fundamentals

### Technical Skills

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#### **Programming & Development**

- **Languages:** C++, C, Python, Java, TypeScript, JavaScript, GoLang
- **Web Development:** Vercel, React, Vite, Next.js, Node.js, Express.js, HTML, CSS, Tailwind CSS
- **Databases:** MongoDB, SQL, NoSQL, PostGres
- **Backend & Cloud:** Spring Boot 4, REST API Controllers, Postman, Azure DevOps, SharePoint

#### **DevOps, Security & Infrastructure**

- **Tools:** SSH, PowerShell, WSL, Django, GIS
- **Data & Analytics:** Tableau, Data Analytics, Dun & Bradstreet, ObservableHQ, PyPlot

#### **Soft Skills & Collaboration**

- Microsoft Teams, Microsoft Office (Excel), Administrative Support
- Customer Service, Communication, Leadership, Teamwork, Problem Solving, Time Management
- Presentations, Facility Meetings, Stakeholder Meetings, Writing

### Additional Work

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#### Front End Courtesy Clerk

Raley's | Sacramento, CA | May 2019 – June 2021

- Assisted an average of 100 customers per day, enhancing checkout efficiency and customer satisfaction.
- Maintained a fast and organized checkout process, ensuring store efficiency.

#### Youth Soccer Referee

BAC | Sacramento, CA | June 2016 – Jan 2019

- Officiated youth soccer games, ensuring compliance with regulations and promoting fair play

### Links

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Project Name	Description	Link
IEEE Web App	Club website with dynamic content and events	<a href="https://ieee-web-app.vercel.app">ieee-web-app.vercel.app</a>
Portfolio Website	Personal portfolio showcasing projects	<a href="https://michael-mehrdadi-personal-portfolio.vercel.app">michael-mehrdadi-personal-portfolio.vercel.app</a>
ARC File Manager	File upload platform for educators	<a href="https://power.arc.losrios.edu/express/uploader_mm/">https://power.arc.losrios.edu/express/uploader_mm/</a>
HCAI GIS Project	Full-stack GIS app for CA health data	<a href="https://github.com/CAHCAI/Geo">https://github.com/CAHCAI/Geo</a>