

# Michael Khuri

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## EDUCATION

<b>San José State University</b> <i>Master of Science in Artificial Intelligence</i>	Expected May 2028 San José, CA
<b>California State University, Fullerton</b> <i>Bachelor of Science in Computer Science</i>	May 2024 Fullerton, CA
<ul style="list-style-type: none"><li>Activities: Association for Computing Machinery Club</li><li>Participated in two 24-hour hackathons at CSUF and developed projects</li><li>Dean's List – Cum Laude</li></ul>	
<b>Saddleback College</b> <i>Associate of Arts in Liberal Studies; Minor in Computer Science</i>	May 2022 Mission Viejo, CA
<ul style="list-style-type: none"><li>Activities: Society of Asian Scientists &amp; Engineers Club (Director of Social Media)</li><li>Dean's List – Cum Laude</li></ul>	

## EXPERIENCE

<b>Lead Full Stack Software Engineer (Contract)</b> <i>Star4ce</i>	Oct 2025 – Present Remote
<ul style="list-style-type: none"><li>Built a SaaS analytics platform using <b>Next.js</b>, <b>Python Flask</b>, and <b>PostgreSQL</b> with secure auth and reporting</li><li>Built backend APIs for survey scoring, reporting, and dealership analytics</li><li>Implemented secure <b>JWT authentication</b> and deployed the system to <b>Render</b> and <b>Vercel</b></li><li>Collaborated directly with founders to deliver a production-ready platform</li></ul>	
<b>Full Stack Software Developer &amp; Operations Analyst Intern</b> <i>AcuFlow</i>	Feb 2025 – Apr 2025 Irvine, CA
<ul style="list-style-type: none"><li>Built a <b>Python Flask</b> quoting system generating PDFs, emailing customers, and calculating pricing in real time</li><li>Designed the <b>Acuflow Quote Generator</b>, integrating <b>MySQL</b> with custom APIs for automated sales workflows</li><li>Deployed backend services on <b>Heroku</b> and linked them to the company's GoDaddy-based frontend.</li><li>Developed tools for purchase orders, invoices, and sales orders to streamline operations</li></ul>	

## PROJECTS

<b>Autonomous Lane Detection System</b>   <i>Python, OpenCV, NumPy</i>	Oct 2025 – Present
<ul style="list-style-type: none"><li>Built a real-time lane detection pipeline using Canny edges, ROI masking, Hough lines, and curve fitting</li><li>Designed robustness for shadows, dashed lanes, and changing lighting conditions</li><li>Implemented a real-time perception workflow inspired by early autonomous driving systems</li><li>Improved lane stability under shadows, dashed markings, and inconsistent lighting</li></ul>	
<b>SmartTuffy</b>   <i>TypeScript, Next.js, OpenAI API</i>	Feb 2024
<ul style="list-style-type: none"><li>Built an AI assistant that recommends courses using conversational input and prompt engineering</li><li>Implemented a fast, responsive UI with Next.js and serverless API routes</li><li>Completed under 24 hours during a competitive hackathon</li></ul>	
<b>SiblingAI</b>   <i>TypeScript, Next.js, string-similarity</i>	Nov 2023 – Dec 2024
<ul style="list-style-type: none"><li>Developed a rule-based chatbot using similarity scoring to adapt responses based on user tone and intent</li><li>Designed a conversation engine using the string-similarity library for intent matching</li><li>Built a lightweight chat interface with Next.js for fast interactions</li></ul>	
<b>Detection VR</b>   <i>Unity, C#</i>	Jan 2023 – Oct 2023
<ul style="list-style-type: none"><li>Created an immersive VR FPS with environmental scanning, physics interactions, and object-detection logic</li><li>Built modular gameplay systems including movement, weapon logic, and interactable world objects</li><li>Optimized scene performance for smooth VR gameplay</li></ul>	

## TECHNICAL SKILLS

**Languages:** Python, C++, JavaScript, TypeScript  
**Machine Learning:** OpenCV, PyTorch, NumPy, Matplotlib  
**Web Development:** Next.js, Flask, TailwindCSS, JWT  
**Technology:** PostgreSQL, MySQL, AWS, Git, OpenAI API