

Michael Khuri

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EDUCATION

San José State University <i>Master of Science in Artificial Intelligence</i>	Expected May 2028 San José, CA
California State University, Fullerton <i>Bachelor of Science in Computer Science</i>	May 2024 Fullerton, CA
• Activities: Association for Computing Machinery Club • Participated in two 24-hour hackathons at CSUF and developed projects.	
Saddleback College <i>Associate of Arts in Liberal Studies; Minor in Computer Science</i>	May 2022 Mission Viejo, CA
• Activities: Society of Asian Scientists & Engineers Club (Director of Social Media)	

EXPERIENCE

Lead Full Stack Software Engineer (Contract) <i>Star4ce</i>	Oct 2025 – Present Remote
• Built a SaaS analytics platform using Next.js , Python Flask , and PostgreSQL with secure auth and reporting • Built backend APIs for survey scoring, reporting, and dealership analytics • Implemented secure JWT authentication and deployed the system to Render and Vercel • Collaborated directly with founders to deliver a production-ready platform	
Full Stack Software Developer & Operations Analyst Intern <i>AcuFlow</i>	Feb 2025 – Apr 2025 Irvine, CA
• Built a Python Flask quoting system generating PDFs, emailing customers, and calculating pricing in real time • Designed the Acuflow Quote Generator , integrating MySQL with custom APIs for automated sales workflows • Deployed backend services on Heroku and linked them to the company's GoDaddy-based frontend. • Developed tools for purchase orders, invoices, and sales orders to streamline operations.	

PROJECTS

Autonomous Lane Detection System <i>Python, OpenCV, NumPy</i>	Oct 2025 – Present
• Built a real-time lane detection pipeline using Canny edges, ROI masking, Hough lines, and curve fitting • Designed robustness for shadows, dashed lanes, and changing lighting conditions • Implemented a real-time perception workflow inspired by early autonomous driving systems • Improved lane stability under shadows, dashed markings, and inconsistent lighting	
SmartTuffy <i>TypeScript, Next.js, OpenAI API</i>	Feb 2024 – Feb 2024
• Built an AI assistant that recommends university courses using conversational understanding and prompt engineering • Implemented a fast, responsive UI with Next.js and serverless API routes • Completed under 24 hours during a competitive hackathon	
Detection VR <i>Unity, C#</i>	Feb 2024 – Feb 2024
• Created an immersive VR FPS with environmental scanning, physics-based interactions, and dynamic object detection logic • Built modular gameplay systems including movement, weapon logic, and interactable world objects • Optimized scene performance for smooth VR gameplay.	
SiblingAI <i>TypeScript, Next.js, string-similarity</i>	Feb 2024 – Feb 2024
• Developed a rule-based chatbot using similarity scoring to adapt responses based on user tone and intent • Designed a conversation engine using the string-similarity library for intent matching • Built a lightweight chat interface with Next.js for fast interactions	

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