

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
<ul style="list-style-type: none">Activities: Association for Computing Machinery ClubParticipated in two 24-hour hackathons at CSUF and developed projectsDean's List – Cum Laude	
Saddleback College <i>Associate of Arts in Liberal Studies; Minor in Computer Science</i>	May 2022 Mission Viejo, CA
<ul style="list-style-type: none">Activities: Society of Asian Scientists & Engineers Club (Director of Social Media)Dean's List – Cum Laude	

EXPERIENCE

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

PROJECTS

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

TECHNICAL SKILLS

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