

Zihua Li

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Education	University of California, Santa Cruz Bachelor of Science in Computer Science, minor in Mathematics 3.4 GPA	Sep 2021 - Mar 2025
Career Objective	Persistent in my efforts and undeterred by challenges presented, I usually strive to find the best results rather than shy away from them. My endless curiosity, infectious self-motivation, and collaborative spirit and team building qualities will make me a credible candidate for roles in the tech industry.	
Experience	Compal Quality Assurance Specialist	April 2025 - Present Houston, TX
	Performing Quality Assurance at Bizcom Electronics, a subsidiary of Compal, specializing in motherboard testing, repair, and BGA rework. Maintaining SFIS systems, FTP servers, and SQL databases, analyzing data with IBM SPSS, Python, various ML frameworks to improve product quality and yield, tracking and monitoring product quality trends. Interpreting manufacturing or design flaws identified through testing, communicating technical details between FA Engineers, Product Engineers, and supervisors to implement data-driven solutions into our SOPs. Conducting quality audits, documenting quality issues, ensuring compliance with quality standards (ISO, IPC).	
	University of California, Santa Cruz University Catering Staff	Sep 2022 - Mar 2023 Santa Cruz, CA
	Driving, food-prep, cleaning, serving, customer service.	
Projects	University of California, Santa Cruz Notetaker for Disability Resource Center	Mar 2022 - Jun 2022 Santa Cruz, CA
	Provide lecture notes to students with disabilities.	
	Spatio-Temporal Traffic Prediction Model 🔗 https://github.com/lizihuasteven/ucsc-cse-144	Sep 2024 - Dec 2024
	Received highest report rating in CSE 144: Applied Machine Learning. Integrating Graph Convolutional Networks and LSTM with Sinusoidal Time Encoding for Enhanced Spatio-Temporal Traffic Volume Prediction. 12 monitoring nodes in Santa Cruz, CA, traffic footages processed using pre-trained CNN model YOLOv8.	
Skills	AI / ML	
	Prompt Engineering, Neural Networks, Data Science	
	Computer Architecture / Systems	
	Operating Systems, RISC-V, Digital Circuits, Assembly, Linux	
	Coding	
	C/C++, Python	
	Cryptography	
	PRF/PRG/PRP, Searchable Encryption	
	Web Development	
	Nginx, MySQL, Apache, HTML, CSS	
Organizations	Mathematics / Statistics	
	Number Theory, Vector Calculus, Probability Theory, Classical/Bayesian Inference	
	Arts	
	Audition, Photoshop, Premiere Pro, Cubase, Piano, Saxophone, Recording/Mixing, Technical Writing	
Languages	IEEE	Jan 2022 - Present
	BCS, The Chartered Institute for IT	Sep 2022 - Present
Mandarin Chinese, English		