Zihua Li

(he/him/his)

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Profiles

in zihua-li-ucsc

⊙ lizihuasteven

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

University of California, Santa Cruz   **Sep 2022 - Mar 2023**
University Catering Staff   Santa Cruz, CA
🔗 https://catering.ucsc.edu

Driving, food-prep, cleaning, serving, customer service.

University of California, Santa Cruz   **Mar 2022 - Jun 2022**
Notetaker for Disability Resource Center   Santa Cruz, CA
🔗 https://drc.ucsc.edu

Provide lecture notes to students with disabilities.

Education

University of California, Santa Cruz   **Sep 2021 - Mar 2025**
Computer Science, minor in Mathematics   Bachelor of Science
3.3 GPA
🔗 https://www.ucsc.edu

Affiliated to Porter College & Baskin School of Engineering

Beijing New Talent Academy   **Sep 2015 - Jun 2021**
Cambridge International Centre   GCSE and A-Level
🔗 https://www.bjnewtalent.com

Activities and societies: Member of Department of Sports and Leisure, Department of Socializing and Arts, and Tech Group Lead, of the Student Union.

Projects

Spatio-Temporal Traffic Prediction Model   **Sep 2024 - Dec 2024**
🔗 https://github.com/lizihuasteven/ucsc-cse-144

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.

Languages

Mandarin Chinese

● ● ● ● ●

English

● ● ● ● ●

Awards	**Australian Mathematics Competition**	**Sep 2019**
	Australian Mathematics Trust	

Division: Intermediate
Award: Credit

	ASDAN Business Simulation	**2018 - 2020**
	ASDAN	

As a team member, 2018 Beijing New Talent Academy, North-China Regional Competition, Ranked 40th.
As a team member, 2018 Beijing Royal School, North-China Regional Competition, Ranked 2nd, Admitted to the National Finals
As a team CEO, 2019 Beijing Kaiwen School, North-China Regional Competition, Ranked 20th, Admitted to All-Star Competition
As a team CEO, 2020 All-Star Competition, Ranked 3rd, Admitted to the National Finals

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, Computing on Encrypted Data

Backend

● ● ● ○ ○

Nginx, MySQL, Apache

Frontend

● ● ● ○ ○

Figma, HTML, CSS

Writing

● ● ● ○ ○

Technical Writing, Creative Writing

Mathematics / Statistics

● ● ● ○ ○

Number Theory, Vector Calculus, Programming in Mathematics, Probability Theory, Classical/Bayesian Inference

Art

● ● ● ● ○

Audition, Photoshop, Premiere Pro, Cubase, Choral, Piano, Saxophone, Recording/Mixing

Organizations	**IEEE**	**Jan 2022 - Present**
	BCS, The Chartered Institute for IT	**Sep 2022 - Present**