



Zihua Li

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Profiles

 [zihua-li-ucsc](#)

LinkedIn

 [lizihuasteven](#)

GitHub

Summary

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 a CS related position.

Experience

MemoryBody

Apr 2023 - Present

Technology Partner (Volunteer)

Remote

🔗 <https://memorybody.com>

Mobile application development, voice recognition development, API implementation, instant messenger development, automated language and media processing implementation, backend development, containerization, reverse proxy, utilizing Django, Docker, nginx, CloudFlare ZeroTrust, ngrok, etc.

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 of 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 - Jun 2025

Computer Science, minor in Mathematics & Statistics

Bachelor of Science - BS

GPA 3.4

🔗 <https://ucsc.edu>

- Activities and societies: Intramural Soccer
- Affiliated to Porter College & Baskin School of Engineering

Cambridge International Centre, Beijing New Talent Academy (Beijing, China)

Sep 2015 - Jun 2021

Cambridge IGCSE & Int'l AS and A-Level (British Curriculum)

Secondary and Further Education

Cambridge International Advanced Levels: A*CC, IGCSEs: AAAABBC

🔗 <https://www.bjnewtalent.com/english.html>

- Activities and societies: President of Film & Television Studies Club; Member of Department of Sports and Leisure, Department of Socializing and Arts, and Tech Group Lead, of the Student Union.

Skills

Computational Modeling

● ● ● ● ● ○
Regular Languages, Context-free Grammars, Normal Forms, Simple Parsing, Pumping Lemmas, Turing Machines, The Church-Turing Thesis, Intractable Problems, The P-NP Question

Statistics

● ● ● ● ● ○
Bayesian Inference, Probability Theory

Operating Systems

● ● ● ● ● ○
Computer System Design, POSIX, C, Linux, Windows Subsystem for Linux (WSL/WSL2), Virtualization, VMware, Unix, Syscalls, Multi-thread, Deadlocks

Web

● ● ● ● ● ●
Nginx, Apache, Django, Linux, Containerization, Networking, HTML, CSS, TLS/SSL, UFW, Ports, CloudFlare, Reverse Proxy, Ngrok, Let's Encrypt, Front-end, Back-end

Server & Remote Workspace Configurations

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Debian/Ubuntu, RHEL/CentOS, Oracle Linux, Windows IIS, RDP, VNC, Apple RD, OpenVPN, WireGuard, Tailscale, TCP/UDP, Firewall, Ports, MySQL, MariaDB, SQLite, GitLab

Programming

● ● ● ● ● ●
Python, R, MATLAB, C, C++, HTML, CSS, YAML, RISC-V, Shell, JetBrains IDE, LLDB, GDB, Valgrind

Containerization

● ● ● ● ● ○
Docker, Podman

Data Structures and Algorithms

● ● ● ● ● ○
C, C++, ADT, Big/Little Endian, Big-Oh Analysis, List, Stack, Queue, Hash Table, Tree, Heap, Graph

Artificial Intelligence

● ● ● ○ ○ ○
LLM APIs

Arts

● ● ● ● ● ●
Piano, Saxophone, Avid Sibelius, Apple Logic Pro, Adobe Audition, Apple Final Cut Pro, Adobe Premiere Pro, Cubase, Adobe Photoshop, Adobe Lightroom, Photography

Organizations

BCS, The Chartered Institute for IT Member  https://www.bcs.org	Sep 2022 - Present
IEEE Member  https://ieee.org	Jan 2022 - Present
IEEE Computer Society Member  https://www.computer.org	Jan 2022 - Present

Languages

Mandarin Chinese

Native



English

Close to Native



Awards

Australian Mathematics Competition

Sep 2019

Australian Mathematics Trust

 <https://www.amt.edu.au>

Division: Intermediate

Award: Credit

ASDAN Business Simulation

ASDAN

 <http://www.asdan.org.uk>

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

Certifications

PTE Academic

Aug 2021

Pearson


 <https://www.pearsonpte.com>

Overall 65; Reading 67; Listening 62; Writing 65; Speaking 72

Duolingo English Test

Feb 2021

Duolingo


 <https://englishtest.duolingo.com/>

Overall 135 (IELTS 8.0); Literacy 135 (IELTS 8.0); Comprehension 140 (IELTS 8.0); Conversation 125 (IELTS 7.5); Production 120 (IELTS 7.0)

IELTS Academic

Jul 2019

British Council

 <https://ielts.org>

Overall 7.0; Reading 8.0; Listening 8.0; Writing 5.5; Speaking 6.0