Zizhou Shi

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EDUCATIONAL BACKGROUND

University College London (UCL**),** London, UK   Sep 2023 - Now
Major: BSc computer science
Core courses: Object-Oriented Programming, Principle of Programming, Algorithms, Theory of Computation, System Engineering, Software Engineering
Minor course: Intelligent System

Yali High School International Department (YLID), Changsha**,** Hunan, China   Sep 2020 - Jun 2023
Weighted GPA: 4.56
AP courses taken: AP Calculus BC (5), AP Macroeconomics (5), AP Microeconomics (5), AP Computer Science A (5), AP Physics C: Electricity and Magnetism (5), AP Physics C: Mechanics (5), AP Statistics (5), AP Psychology (4)

EXTRACURRICULAR EXPERIENCE

Researcher in the YINGCAIJIHUA Scientific Innovation Program   Jan 2022 – Jan 2022
- Trained with Professor Wen He of Hunan University at the Scientific Innovation Program sponsored by the China Association for Science and Technology to help motivate high school students in actualizing technological innovation in the real world
- Focused on coursework that furthered my knowledge of artificial intelligence and skills with Python
- Carried out individualized research and completed a project on the automatic fault detection of water turbine sets

Member of China Thinks Big (CTB) Innovation Research Challenge Contest   Oct 2021 – Oct 2022
- Led a team of 5 on a project focused on Improvement Measures for the Lack of Career Planning for High School Students
- Received Third Prize in the national-level contest and qualified for the international-level round
- Received First Place Award in the team showcase part and Third Place Award in the Hackathon part of international-level round.
- Coordinated the collection of evidence-based research and designed posters that helped make our findings more digestible for the public

Vice President of Media Department of Student Union at Yali High School   Sep 2020 - Jul 2022
- Created and directed promotional videos and designed posters advertising schoolwide activities and events
- Arranged and managed publicity for the first Micro Film Contest to encourage school-wide participation and viewings
- Assisted with the admission of new members to the Student Union from a pool of applicants and aided in their training and onboarding

Summer Internship at Wuhan Cenboomh Information Technology Co., LTD   June 2024-July 2024
- Cooperate to develop and maintain the medical database
- Mastered the SQL language, learned how to manage the database, building Large Language Model(LLM)
- Received certificate for summer internship

PROJECTS

Tetris-Master: https://github.com/shizizhou/Tetris-Master.git
Developed an AI player using python
The AI has good predictive, selection, and crisis-handling ability in playing Tetris

Patient Database Web App: https://github.com/shizizhou/Java-web-app.git
Developed a web app using Java and Maven
Users can monitor, search, and modify patient data through the web app

Robot Open Autonomous Racing: https://github.com/shizizhou/ROAR.git
Trained an ai that can simulate driving a car in the game
On the designated track, the ai can run the whole course with the fastest speed and stability

AWARDS AND HONORS

International First Place Award in 2021-2022 China Thinks Big Competition
Merit Student Recipient of the Sophomore & Junior years (2021 – 2022) for exceptional work in the Student Union
Certificate of Participation in Euclid Contest & Participant of AMC 2020-2022
Credit for D-Intermediate exam in Australia AMC 2021

SKILLS

Language Skills: Native Chinese, Fluent English
Computer Skills: Java, Python, C, Premiere Pro
Hobbies: Tennis, Photograph