ZHAO QIXIAN

EDUCATION

Nanyang Technological University, Singapore　　　　　　　　　　　**Aug 2023 – May 2027**
Bachelor of Data Science and Artificial Intelligence, Minor in Business, Year 3
- CGPA: 4.43/5.00, Honoured Degree
- Major Electives: Intelligent Agent, Cloud Computing

Nanyang Junior College, Singapore　　　　　　　　　　　　　　　**Feb 2021 – Nov 2022**
- Achieved 4 Distinctions (A) in H2 Math, Physics, Economics, Chemistry in Singapore A Levels.

Catholic High School, Singapore　　　　　　　　　　　　　　　　**Feb 2019 – Nov 2020**
- Achieved 10 Distinctions (8 A1 and 2 A2) in Singapore O Levels.

SKILLS

Languages
- English (Native), Mandarin (Native)

Technical Skills
- Proficient Programming Languages: Python, R, Java, JavaScript, PostgreSQL
- Experienced Programming Languages: Linux, C, C++
- Data Science and Analysis: Python libraries and ML models, Google Data Analytics Specialization, Prompt Engineering and Analytics Specialization
- Software Proficiency: Power BI and Excel for data analysis and visualization, UiPath for automation

Additional Field of Study
- Cybersecurity: Google Cybersecurity Specialization, modern cryptography, incident response.
- Business: Market and Business Analysis, Business Decision Tools, Game Theory in Economics and Political Science (Summer school in Seoul National University)

HONOURS

Science and Engineering Scholarship - MOE Sponsored　　　　　**Aug 2023 – May 2027**
- A 4-year full scholarship covering university education

Senior-Middle 1 Scholarship - MOE Sponsored　　　　　　　　　**Feb 2019 – Nov 2022**
- A 4-year full scholarship covering secondary and post-secondary education

EXPERIENCE

SLB – Schlumberger　　　　　　　　　　　　　　　　　　　　　**July 2025 – Today**
Machine Learning and AI Engineer Intern
- Developing LLM powered Rule Engine to automate verification of Document Package for Quality Team
- Using pre-trained models, Azure DevOps, AI Search, OpenAI and vector indexed RAG
- Developing Alternate Material Chatbot to predict child component for electric pump to be tested

National Institute of Education, NTU　　　　　　　　　　　　　　**Oct 2024 – July 2025**
Student Researcher
- Paper presented in ASEE Conference 2025 Montreal, Canada: Enhancing AI Literacy: Exploring Trust and Ethical Decision-Making through the Prisoner's Dilemma in Game Theory
- https://nemo.asee.org/public/conferences/365/papers/49504/view

School of Mechanical and Aerospace Engineering, NTU　　　　　**Aug 2025 – Today**
Student Researcher
- Work In Progress: Deep Learning algorithms to automate interpretation of pediatric radiographs

School of Humanities, NTU　　　　　　　　　　　　　　　　　　**Sep 2024 – Feb 2025**
Research Assistant
- Provide technical support by processing audio language data using Da Vinci and Excel
- Project funded by SCCC: Digitalizing the linguistic heritage of Chinese Singaporean: a corpus-based sociolinguistics study of Singaporean Chinese varieties

Nanyang Business School, NTU　　　　　　　　　　　　　　　　**Feb 2025 – Mar 2025**
Research Assistant
- Hosted 11 sessions on eyeball movement data collection using Pupil Lab smart glasses

ACADEMIC PROJECT

SC2006 EatWellthy   **Sep 2024 – Nov 2024**
- Applied MERN Stack (MongoDB, Express.js, React.js, Node.js)
- Developed an interactive web app to revolutionize healthy eating through meal planning, nutrition tracking, AI-powered personalized plans and chatbot.
- Integrated APIs: Nutritionix for food data, OpenAI for chatbot Welloh, and Google APIs for SSO, location and calendar synchronization.
- Agile Development team leader of 6 and deployed on Render independently.

News Wikileaks Cross Analysis   **Feb 2025**
- SMU Datathon 2025 Finalist. Top 10 out of ~70 teams.
- Created a python analysis pipeline and a Streamlit application that analyzes the similarity between news and Wikileaks documents using Fuzzy Matching and Sentence-BERT.

SC1015 Steam Games Analysis   **Jan 2024 – Apr 2024**
- Applied Python packages to conduct data cleaning, formatting, analysis, and visualisation on popular steam games, and sentiment analysis on keywords extracted
- ML Models applied: Linear Regression, Random Forest, SVM, KNN, Text Mining

iFound   **Feb 2024 – Mar 2024**
- SimplifyNext x UiPath RPA Hackathon 2024 Finalist. Top 6 out of 46 teams.
- An automation app to find potential missing people in Singapore. Built on UiPath, Python and ChatGPT to perform website scraping, facial recognition and generate GenAI summarised report.

TrustHP   **Feb 2025**
- First place winner of NTU WIT x HP ideathon competition, out of 20 teams.
- Conducted market analysis and proposed innovative and feasible security-first framework proposal, first in the printing industry, and recognised by judges from Hewlett-Packard SG.

CO-CURRICULAR ACTIVITIES

Institution of Engineering and Technology NTU Base (IET @ NTU)
Welfare Manager   **Aug 2023 – Aug 2024**
Welfare Head   **Aug 2024 – Aug 2025**
Vice President External   **Aug 2025 – Today**
- Emcee in Annual General Meeting 2023, facilitated event's proceedings and engaged with guests.
- Led welfare team to make catering and ice-breaking games arrangements in Annual General Meeting 2024.

NYJC Chinese Cultural Society
President   **Feb 2022 – Nov 2022**
- Led the society of 35 members to promote Chinese culture in college community, and organizing Chinese Drama performances, including Singapore Youth Festival 2022, NYJC Open House.
- Oversaw scheduling, marketing, rehearsals, and liaisons.
- Conducted filming and editing for CCS promotional video and CCS annual performance 2022.

VOLUNTEERING EXPERIENCE

Fundraising, Animal Concerns Research & Education Society (ACRES)   **Feb 2019 – Mar 2020**
Recruitment & Liaison Team
- Recruited three volunteers to join fundraising team.
- Led interactive sessions at KidZania Singapore, introducing endangered species to kids.

East Coast Park Beach Cleaning, Public Hygiene Council   **Feb 2022 - Apr 2022**
Project Chairperson

- Organized and planned for class volunteer project. Liaison with PHC.
- Raised awareness on necessity of public hygiene and impact of litter on marine environment.

CONTACT INFORMATION
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