

ZHAO QIXIAN

EDUCATION

- Nanyang Technological University, Singapore** Aug 2023 – May 2027
- Bachelor of Science in Data Science and Artificial Intelligence, Minor in Business, Year 4
 - CGPA: 4.55/5.00, First Class Honours Degree
 - Major Electives: Intelligent Agent, Cloud Computing
- École Normale Supérieure – Paris Sciences et Lettres Université, Paris, France** Jan 2026 – May 2026
- Semester Exchange in département d'informatique: Machine Learning, Cryptography, AI in Finance
- Seoul National University, Seoul, South Korea** Jun 2024 – Jul 2024
- Summer Exchange in department of economics: Game Theory
- 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. Top in cohort.

LANGUAGES

- English (Native), Mandarin (Native), French (Elementary)

TECHNICAL SKILLS

- Proficient Programming Languages: Python, R, Java, JavaScript, Linux, SQL
- 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

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

WORK EXPERIENCE

- SLB – Schlumberger** July 2025 – Dec 2025
- Machine Learning and AI Engineer Intern**
- Designed and deployed an enterprise level Document Package Verification Flask webapp that automates compliance checks using Retrieval Augmented Generation (RAG) over Azure AI Search
 - Implemented multi-stage filtering that narrows ~200 pages to ~50 for LLM vision analysis, cutting multimodal calls by ~70% and reducing overall processing cost by ~50%
 - Developed hybrid retrieval with re-ranking and evaluation using query rewritten rules
 - Created Analysis Report and Document Viewer side by side interface, with reference link to target chunk
 - Productionized Azure AD Single Sign On with Role-Based Access Control (SSO RBAC)
 - Tech Stack: PyTorch, YOLO, OpenCV, PyMuPDF, ReportLab, Azure DevOps CI/CD, OpenAI
- Alstom** June 2026 –
- Data Science Intern**
- Incoming summer intern in innovation center, Alstom Singapore
- Various Institutions, NTU** Sep 2024 – Today
- Research Assistant**
- Processed audio language data using DaVinci Resolve and Excel (6 months with SOH)
 - Hosted 11 sessions eye-tracking data collection using Pupil Lab smart glasses (2 months with NBS)
 - Hosted 9 cognitive testing sessions (5 months and ongoing with Centre for Lifelong Learning)

RESEARCH EXPERIENCE

- National Institute of Education, NTU** Oct 2024 – Jul 2025
- Student Researcher**

- Paper published and presented in ASEE Conference 2025 Montreal, Canada: Enhancing AI Literacy: Exploring Trust and Ethical Decision-Making through the Prisoner's Dilemma in Game Theory
- DOI: [10.18260/1-2--55858](https://doi.org/10.18260/1-2--55858)

AnniZ Lab, NTU

Jan 2026 – Today

Student Researcher Technical

- Work in Progress: Temporal Knowledge Graph and GNN for Gut Microbiome Hypothesis Generation

School of Mechanical and Aerospace Engineering, NTU

July 2025 – Apr 2026

Student Researcher in URECA Program

- Deep Learning to Automate Detection of Scoliosis Cobb Angle from Clinical Paediatric Radiographs
- Trained models for spinal landmark localization, achieving mAP50 of 99.1% and recall of 97.0%
- Achieved clinical grade measurement accuracy with a MAE of 3.43° and RMSE of 4.38°
- Collaborated with KK Women's and Children's Hospital and SingHealth Intellectual Property Office

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.
- APIs: Nutritionix for food data, OpenAI for chatbot, Google APIs for SSO, location and calendar sync.
- Agile Development Team Leader of 6 and deployed 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.

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 OpenAI 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, recognised by judges from Hewlett-Packard SG.

Final Year Project

Feb 2026 – Today

- Work in Progress: Natural Language Processing to detect and extract financial news and predict impacts.

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

Aug 2025 – Today

- Emcee in Annual General Meeting 2023, facilitated event's proceedings and engaged with guests.
- Led welfare team for catering and ice-breaking games arrangements in Annual General Meeting 2024.
- Led liaison teams to plan and conduct company onsite visits in 2025.

NYJC Chinese Cultural Society

President

Feb 2022 – Nov 2022

- Led the club of 35 members to promote Chinese culture in college community, and organizing Chinese Drama performances, including Singapore Youth Festival 2022, NYJC Open House.
- Conducted filming and editing for CCS promotional video and CCS annual performance 2022.

CONTACT INFORMATION

- Phone Number/WhatsApp: +65 83868786
- Email Address: gzhao010@e.ntu.edu.sg
- LinkedIn: <https://www.linkedin.com/in/zhaogqixian>
- GitHub: <https://github.com/ZhaoQixian>