

Yueheng (Bryan) Wu

A bold, solutions-driven Data Science undergraduate passionate about using machine learning and system design to solve real-world problems. Known for leading teams, driving projects from vision to execution, and thriving in fast-paced, high-stakes environments where impact matters.

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EXPERIENCE

Kaggle Eedi "Mining Misconceptions in Math" Competition, Online — Competitor, Top 3% (43/1,449)

March 2025 - April 2025

- Built and deployed a fine-tuned LLM pipeline for detecting mathematical misconceptions.
- Led GPT-4 data generation, fine-tuned Qwen-14B/32B using LoRA and contrastive learning.
- Designed and implemented a multi-model retrieval-re-rank system.

Machine Learning Research, Online — First Author

November 2024 - January 2025

- Conducted research on real estate price prediction using machine learning models.
- Published a solo-authored paper accepted at ICFMDE 2024.

GEC Academy Programme, Online — Active Member

September 2024 - January 2025

- Conducted 13-week data science research on data-driven decision-making and financial prediction models.
- Collaborated with the professor and peers to explore machine learning's role in financial prediction. Authored individual paper comparing models.
- performance in real estate price prediction, accepted at ICFMDE 2024.

"Healthy Village" Education Assistance Program, Fuzhou — Volunteer Teacher & Performer

September 2023 - October 2023

- Taught children in rural areas and used engaging performances (e.g. magic shows) to enhance lessons.
- Adapted quickly to new environments and maintained a cheerful, service-focused demeanor.

SKILLS

Python

Machine learning

Fine-Tuning LLMs
(Qwen-14B/32B)

Contrastive learning

Retrieval systems

GPT-based data generation

Guitar

Soccer

Team leadership

Strategic communication

Fast-paced multitasking

AWARDS

Silver Medalist (43/1,449)–
Kaggle Eedi "Mining
Misconceptions in Math"
(2025)

First-author paper on house
price prediction accepted to
ICFMDE 2024 (2024)

LANGUAGES

English: Professional

Chinese (Mandarin): Native

Liaison Department of Fuzhou NO.3 High School, Fuzhou — Vice President

September 2022 - September 2023

- Coordinated student events across the city, involving hospitality and logistics.
- Served as a bridge between students and school leadership, ensuring smooth communication.

Fuzhou Social Welfare Institute, Fuzhou — Volunteer

September 2023 - September 2023

- Executed interviews with centenarians, preserving their legacy through storytelling.
- Led craft-making activities, providing companionship and enriching the lives of elderly residents.
- Prepared dinner for elderly individuals to ensure nutritional needs were met.

BEIJING INTERNATIONAL MODEL UNITED NATIONS, Beijing — Delegate

May 2023 - June 2023

- Led team efforts to analyze Thailand's environmental policies, revealing key areas for enhancement.
- Strategically balanced ecological protection with economic growth within a limited timeframe.
- Contributed innovative solutions through active debate participation and promotion of sustainability

Chenxing Music Club, Fuzhou — Founder & Leader

September 2021 - June 2023

- Founded and led a 20-member music band, managing rehearsals and performances in several activities.

High School Soccer Team, Fuzhou — Member

September 2020 - June 2023

- Competed in citywide soccer leagues.
- competing alongside teammates and demonstrating teamwork, strategy, and athletic skills.

The She Ethnic Group Support Program, Fuzhou — Volunteer

July 2022 - July 2022

- Supplied modern school materials and facilitated engaging teaching activities to cultivate a supportive learning environment for underprivileged children.
- Organized urban experiences for children to explore city life and broaden their perspectives.

EDUCATION

**University of Wisconsin, Madison, WI — BACHELOR OF
SCIENCE: DATA SCIENCE**

September 2025 - May 2028