YAO, Tianle

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EDUCATION

The University of Hong Kong — Hong Kong, China
BEng (Computer Science), minor in Mathematics — *Sep 2023 – Jun 2027 (Expected)*

- Major GPA: **3.90 / 4.30**; Expected First Class Honours
- Relevant coursework:
  Data Structure and Algorithm, Algorithm Design and Analysis, Introduction to Database, Computer Vision,
  Machine Learning, Probability and Statistics I, Artificial Intelligence, Operating System

University of Waterloo — Waterloo, Canada
HKU nominated student under HKUWW Exchange Program — *Jan 2026 – Apr 2026*

- Relevant coursework:
  Natural Language Processing, Deep Learning, Computer Network, Statistics, Introduction to Optimization

Stanford Summer IHP Program — CA, USA
Visiting student nominated by HKU — *Jun 2024 – Aug 2024*

EXPERIENCE

XR Developer Summer Intern — Jun 2025 – Aug 2025
HKU Human-System Interaction Lab (HIS) — *Hong Kong*

- Developed an Apple Vision Pro demo app realizing hand gesture recognition for simplifying user input flow
- Developed an iOS demo app for diary-like memory recorder with prompt engineered AI guidance

COMMUNITY & LEADERSHIP

HKU Undergraduate CS Student Representative — Sep 2024 – Present
Student Representative for 2024-2025, 2025-2026 academic year — *Hong Kong*

- Representing undergraduate Computer Science students

HKU Mainland Football Team — Oct 2024 – Present
Team Member — *Hong Kong*

- Active member of the university football team

PROJECTS

Ethereum Smart Contract for Crop Insurance | *Solidity, JavaScript* — Apr 2025 – May 2025

- GitHub: github.com/DannyYTL/FITE2010-Project

Data Science Project for Air Quality Analysis | *Python* — Jul 2024 – Aug 2024

- GitHub: github.com/DannyYTL/Stanford_DATASCI-112

Text Based Minesweeper Game | *Git, C++* — Apr 2024 – May 2024

- GitHub: github.com/DannyYTL/ENGG1340-GP

TECHNICAL SKILLS

Programming Languages: C++, Python (Pandas, Numpy, Scikit-learn), MySQL, Java
Tools: Git, Docker, GitHub
Languages: Mandarin (Native), English (Working Proficiency)
Interests: Machine Learning, Poker, Hiking