

Yichuan Song

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EDUCATION

Bachelor of Engineering **The University of Hong Kong** **Sep 2021 - Jun 2026(expected)**
Computer Science major, Machine Learning focus (GPA: 3.55/4.30)

RESEARCH INTERESTS

Energy-Based Models, Long-Trajectory Reasoning & Planning, Mechanistical Interpretability

RECENT RESEARCH WORKS

Debra: A Discrete Method for Energy-Based Reasoning **Mar 2025 – present**

First Author; Supervised by Yilun Du, Harvard University

Prepare for ICML2026([paper](#), [code](#))

Introspective Reasoning: Does LLM Says What It Thinks? **Sep 2024 – Mar 2025**

First Author; Supervised by Lingpeng Kong, The University of Hong Kong

Draft for ACL2025([paper](#), [code](#))

Knowledge Verification on Transformers: Case of Othello **May 2024 – Aug 2024**

Independent Research Assistant; Supervised by Xujie Si, The University of Toronto

([slides](#), [code](#))

INTERNSHIP AND EXCHANGES

Research Internship(Globalink, Mitacs) **May 2024 - Aug 2024**

Bahen Centre for Information Technology, University of Toronto

Summer Session Visitor(HKU SSAP scholarship) **Jun 2023 - Aug 2023**

University of California, Berkeley

A Grades(CS188 and MATH N53)

Summer School Visitor(HKU China Vision Programme) **Jun 2022 - Aug 2022**

Peking University

SERVICE

Student TA for the course AILT1001 **2025-26 A.Y.**

The University of Hong Kong

Student Helper for HKU Archaeology Team **Feb 2023 - May 2023**

Vedi Fortress, Armenian Araxes River Valley

Member of HKU RoboMaster Team(Mechanical Group) **Sep 2022 - Jan 2023**

The University of Hong Kong

Student TA for the course ENGG1340 **Sep 2021 - Jul 2023**

The University of Hong Kong

AWARDS

Dean's Honours List **2021-22 A.Y.**

2nd Prize in RoboMaster University Championship 2022 **Aug 2022**

3rd Prize in RoboMaster University League 2022 **Aug 2022**