

EDUCATION	University of Virginia Charlottesville, VA, USA <i>Incoming Ph.D Student in Systems Engineering</i> 2026–2031 (Anticipated) <ul style="list-style-type: none">• Advisor: Prof. Hongru Du, Dept. of Systems and Information Engineering• Research Interest: AI for Science, Large Language Model Agents, Complex Systems, Computational Social Science, Social Stratification, Social Networks
	Hong Kong Baptist University Hong Kong SAR, China <i>B.S.S.C. (Hons.) in Sociology, Minor in Computer Science</i> 2022–2026 (Anticipated) <ul style="list-style-type: none">• GPA: cGPA: 3.62/4.0, Major GPA: 3.69/4.0, Minor GPA: 3.72/4.0 <i>(First Class Hons.: cGPA 3.4 or above)</i>• Relevant Coursework: Intro to AI & ML (A-) NLP & LLM (A) Social Stat. (A) Intro to Python & its Applications (A-) Problem Solving Using OOP (A) Calc., Prob. & Stat. for CS (A-) Sociological Classical Theory (A) Sociological Theory II (A-) Social Networks (A-)• Honors Project: How Family Socioeconomic Status Shapes Chinese Graduates' School-to-Work Transition: The Roles of University Experiences and Social Capital
PUBLICATIONS	1. [Under Review] Haoyang Li , Runzhou Liu, Yao Li, Amy Wesolowski, Sen Pei, Hongru Du [✉] . (2025). Theory-informed generative agents for modeling human mobility. <i>Preprint available at Research Square</i> .
	2. [Under Review] Qingbin Zeng, Ruotong Zhao, Jinzhu Mao, Haoyang Li , Fengli Xu [✉] , & Yong Li. (2025). CrimeMind: Simulating urban crime with multi-modal LLM agents. <i>arXiv preprint arXiv:2506.05981</i> .
	3. [Working Paper] Haoyang Li , Xiao Jia, & Zhanzhan Zhao [✉] . (2025). The emergence of altruism in Large-Language-Model agents society. <i>arXiv preprint arXiv:2509.22537</i> .
	4. [Working Paper] Haoyang Li , Songwei Li, Xiao Liu, Bill Shi, Fengli Xu [✉] , & James Evans [✉] . (2025). Dispersed knowledge, decentralized decisions: A labor market for multi-agent task allocation. <i>Poster presented at The 1st International Conference on AI Scientists (ICAIS 2025)</i> . [Poster]
RESEARCH EXPERIENCES	Research Intern Du Lab, University of Virginia 2025.07 – Present <ul style="list-style-type: none">• Supervised by Prof. Hongru Du, Assistant Professor, Department of Systems and Information Engineering, University of Virginia• <i>Research Focus:</i> AI for Science, Modeling Human Behavior through LLM Agents
	Research Intern Knowledge Lab, University of Chicago 2025.10 – Present <ul style="list-style-type: none">• Supervised by Prof. James Evans, Max Palevsky Professor, Department of Sociology, University of Chicago• <i>Research Focus:</i> AI Scientists for Market Allocation
	Research Intern Future Intelligence Lab, Tsinghua University 2025.03 – Present <ul style="list-style-type: none">• Supervised by Prof. Fengli Xu, Assistant Professor, Department of Electronic Engineering, Tsinghua University• <i>Research Focus:</i> LLM Agent, Social Simulation
	Research Assistant School of Artificial Intelligence, The Chinese University of Hong Kong, Shenzhen 2025.07 – 2025.11 <ul style="list-style-type: none">• Supervised by Prof. Zhanzhan Zhao, Assistant Professor, School of Artificial Intelligence, The Chinese University of Hong Kong, Shenzhen• <i>Research Focus:</i> LLM and Game Theory

- RESEARCH EXPERIENCES (CONT'D)
- Research Assistant** | Department of Sociology, **Hong Kong Baptist University** 2024.03 – 2024.12
 - Supervised by **Prof. Yinni Peng**, Associate Professor, Department of Sociology, Hong Kong Baptist University
 - Research Assistant** | Department of Sociology, **Hong Kong Baptist University** 2024.03 – 2024.06
 - Supervised by **Prof. Jin Jiang**, Associate Professor, Department of Sociology, Hong Kong Baptist University
- AWARDS AND HONORS
- Halloran Scholarship**, 18th SISIMID, Emory University (Full Reg. Waiver) 2026.03
 - President's Honor Roll**, Hong Kong Baptist University
 Semester 1, 2022–2023; Semester 1&2, 2023–2024;
 Semester 1&2, 2024–2025; Semester 1, 2025–2026
 - Dean's List**, Hong Kong Baptist University Semester 2, 2022–2023
 - HKSAR Government Talent Development Scholarship**, HK\$10,000 2023.04
- TEACHING
- Teaching Assistant**, Hong Kong Baptist University 2024.1-2024.4
 Course: COMP1005 Essence of Computing • [\[Course Outline\]](#)
- SKILLS
- Languages:** Chinese Mandarin (Native), Chinese Cantonese (Listening), English (Working Language), \LaTeX
 - Programming & Software:** Python, Java, C, SQLite, MATLAB, Stata, SPSS, Microsoft Office
 - Interests:**
 - Chinese Writing:** won the *First Prize* of the 24th National New Concept Writing Contest
 - Hiking:** I left many footprints along the *MacLehose Trail* and other mountains across Hong Kong and Shenzhen