

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• 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 [✉] . (2026). Theory-informed generative agents for modeling human mobility. <i>Preprint available at Research Square</i> .
	2. [Under Review] Runzhou Liu, Claire Jong, Haoyang Li , Yiming Cao, Qing Yao, Teresa Yamana, Sen Pei [✉] , Hongru Du [✉] . (2026). Simulating population compliance with pandemic interventions using Large Language Models.
	3. [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> .
	4. [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> .
	5. [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 EXPERIENCE	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 Agents, Social Simulation

RESEARCH EXPERIENCE (CONT'D)	<p>Research Assistant School of Artificial Intelligence, The Chinese University of Hong Kong, Shenzhen 2025.07 – 2025.11</p> <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 <p>Research Assistant Department of Sociology, Hong Kong Baptist University 2024.03 – 2024.12</p> <ul style="list-style-type: none"> Supervised by Prof. Yinni Peng, Associate Professor, Department of Sociology, Hong Kong Baptist University <p>Research Assistant Department of Sociology, Hong Kong Baptist University 2024.03 – 2024.06</p> <ul style="list-style-type: none"> Supervised by Prof. Jin Jiang, Associate Professor, Department of Sociology, Hong Kong Baptist University
AWARDS AND HONORS	<ul style="list-style-type: none"> Halloran Scholarship, 18th SIS MID, 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
TALKS	<ul style="list-style-type: none"> Mainland Undergraduate Admissions Talk, Hong Kong Baptist University 2026.05
TEACHING	<ul style="list-style-type: none"> Teaching Assistant, Hong Kong Baptist University 2024.01 – 2024.04 Course: COMP1005 Essence of Computing • [Course Outline]
SKILLS	<ul style="list-style-type: none"> Languages: Chinese Mandarin (Native), Chinese Cantonese (Listening), English (Working Language), \LaTeX Programming & Software: Python, Java, C, SQLite, MATLAB, Stata, SPSS, Microsoft Office Interests: <ul style="list-style-type: none"> Chinese Writing: won the <i>First Prize</i> of the 24th National New Concept Writing Contest Hiking: I left many footprints along the <i>MacLehose Trail</i> and other mountains across Hong Kong and Shenzhen