Richard (Jingbo) Gao

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Education

University of Chicago Chicago, IL
B.S. Computer Science and B.S. Mathematics *June 2029, GPA: 4.00*

- Relevant Coursework: Math Foundation of ML, Abstract Linear Algebra, Analysis in $\mathbb{R}^n$

University of Virginia Charlottesville, VA
Transferred to the University of Chicago *Aug 2025 - Aug 2026, GPA: 3.98*

- Relevant Coursework: Data Structures and Algorithms, Discrete Mathematics, Data Science with R, Calculus III

Experience

Undergraduate Research Assistant & Summer Researcher Dec 2025 - Present
VIVA Lab (Prof. Scott Acton), University of Virginia *Charlottesville, VA and Remote*

- Developed a video face-anonymization pipeline that de-identifies faces while preserving downstream utility.
- Processed **80k** frames (**1.2M** face) on UVA's computing cluster via SLURM, achieving **98.9%** de-id recall.
- Benchmarked and analysed the pipeline on various fine-tuned tracker models with PyTorch.
- Conducted research independently, reviewed **80+** literature, first-author submission planned.

Data Analyst Intern Dec 2025 - Jan 2026
Msunhealth *Jinan, China and Remote*

- Analysed **10k+** outpatient visit records, covering **9k** patients across 3 hospitals using Python and MySQL.
- Designed data-processing workflows to identify high risk gastric cancer patients, identified a **14%** screening gap.
- Produced analytical reports with Matplotlib supporting data-driven clinical quality improvement initiatives.

Student Developer Sep 2024 - Feb 2025
Keystone Academy *Beijing, China*

- Developed a JavaFX desktop application to generate and manage citation entries according to a specific standard.
- Packaged as a self-contained macOS app with Java runtime, distributed to **100+** classmates.

Training and Programs

AI Development Program September 2026
University of Chicago Data Science Institute *Chicago, IL*

- Developed production agentic systems and LLM-powered automation workflows in Python and Docker through a competitive AI development cohort program.

Technical Skills

Languages: Python, Java, C/C++, SQL, R, Bash
Data & ML: PyTorch, NumPy, Pandas, Matplotlib, OpenCV
Developer Tools: Git, Docker, Conda, Slurm, Markdown, LaTeX
AI Concepts: Machine Learning, Computer Vision, Multimodality, Agentic Systems