Yi LIANG

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EDUCATION

Georgia Institute of Technology   **Atlanta, Georgia**
Master of Science in Computer Science; GPA 4.0/4.0   Dec 2025

University of Illinois at Urbana Champaign   **Champaign, Illinois**
Master of Science in Finance (STEM); GPA 3.9/4.0   May 2023
Minor Data Science, Concentration in Quantitative Finance

Harbin Institute of Technology   **Harbin, China**
Bachelor of Economics; GPA 3.8/4.0   July 2019

EXPERIENCE

University of Illinois at Urbana Champaign   **Champaign, Illinois**
Head Teaching Assistant (FIN584, FIN571, FIN500, BADM572, ACCY574, MBA562, CS439)   May 2022 - Present
- Assisted professors in Q&A sessions and managed course discussion forums.
- Supervised, mentored, trained, and performance managed teams of 10-20 Course Assistants for each course.
- Managed Salesforce tickets and other student queries, 20%~60% less tickets compared to previous semesters.

Alibaba Group   **Remote**
C++ Backend Engineer Intern (C/C++, Python, MySQL, Apache, Kafka, Redis, Qt)   Mar 2023 - Aug 2023
- Developer and maintenance support of Request for Quotation project, which is one important component of alibaba.com (overseas operation access point) under Alibaba Group.
- Contributed to the development of a push system using Content-Based Recommendations implemented from our internal model and resolving issues with cross-functional teams, including front-end, math, data, and QA team.
- Improved server response time by 23% by refining code and optimizing MySQL query performance.
- Reduced bug tickets of RFQ by 60% through analyzing tickets, building a relevant help tool, and increasing pre-launch test coverage from 70% to 80%+.

Tencent   **Shanghai, China**
Data analyst Intern   Mar 2021 - Aug 2021
- Collected 300+ customers' feedback and analyzed data through survey collection, intimately developing a website analytics report to provide promoting suggestions on advertising success and strategy.
- Delivered executive briefing of Tencent AI & IoT solutions to corporate customers.
- Hosted technical workshops of Tencent Cloud Services to 30+ front-line engineers.

CITIC Securities (Research Institute)   **Guangzhou, China**
Industry Research   Jul 2020 - Jan 2021
- Took great part in writing industry research reports of Hair, Angelalign, Anker and Xgimi.
- Performed simple market research (Angelalign vs Invisalign) to back up report during its IPO.
- Maintained and optimized database using Excel and Python.

SELECTED PROJECTS

Property Assessment Modeling in R   Spring 2022
Built a predictive model by testing 30+ variables with lasso, XGBoost, regression analysis, and cross-validation-approach to determine a fair market value; ranked top 3 in class.

Complex Derivatives Securities Valuation in Python   Spring 2022
Using option pricing theory, including Black-Scholes-Merton, risk-neutral probabilities, probabilistic solution, numerical techniques to build Binomial trees, Finite-difference, and Monte-Carlo models to approach and compute option prices.

HONORS

- Full scholarship for exchange studying in Germany by China Scholarship Council
- First Prize Scholarship at HIT 2018 and 2019

SKILLS

- Core Competencies: Data Analytics, Problem Solving, Programming, Teamwork
- Programming and Tools: C/C++, Java, R, Python, SQL, HTML, Apache, Nginx, AWS, Pytorch