

# Yi LIANG

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## EDUCATION

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<b>Georgia Institute of Technology</b> Master of Science in Computer Science; GPA 4.0/4.0	<b>Atlanta, Georgia</b> Dec 2025
<b>University of Illinois at Urbana Champaign</b> Master of Science in Finance (STEM); GPA 3.9/4.0 Minor Data Science, Concentration in Quantitative Finance	<b>Champaign, Illinois</b> May 2023
<b>Harbin Institute of Technology</b> Bachelor of Economics; GPA 3.8/4.0	<b>Harbin, China</b> July 2019

## EXPERIENCE

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<b>University of Illinois at Urbana Champaign</b> <i>Head Teaching Assistant (FIN584, FIN571, FIN500, BADM572, ACCY574, MBA562, CS439)</i> <ul style="list-style-type: none"><li>Assisted professors in Q&amp;A sessions and managed course discussion forums.</li><li>Supervised, mentored, trained, and performance managed teams of 10-20 Course Assistants for each course.</li><li>Managed Salesforce tickets and other student queries, 20%~60% less tickets compared to previous semesters.</li></ul>	<b>Champaign, Illinois</b> May 2022 - Present
<b>Alibaba Group</b> <i>C++ Backend Engineer Intern (C/C++, Python, MySQL, Apache, Kafka, Redis, Qt)</i> <ul style="list-style-type: none"><li>Developer and maintenance support of Request for Quotation project, which is one important component of alibaba.com (overseas operation access point) under Alibaba Group.</li><li>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.</li><li>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%+.</li></ul>	<b>Remote</b> Mar 2023 - Aug 2023
<b>Tencent</b> <i>Data analyst Intern (Python, R, SQL, scikit-learn, Glmnet)</i> <ul style="list-style-type: none"><li>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.</li><li>Delivered executive briefing of Tencent AI &amp; IoT solutions to corporate customers.</li><li>Hosted technical workshops of Tencent Cloud Services to 30+ front-line engineers.</li></ul>	<b>Shanghai, China</b> Mar 2021 - Aug 2021
<b>CITIC Securities (Research Institute)</b> <i>Industry Research</i> <ul style="list-style-type: none"><li>Took great part in writing industry research reports of Hair, Angelalign, Anker and Xgimi.</li><li>Performed simple market research (Angelalign vs Invisalign) to back up report during its IPO.</li><li>Maintained and optimized database using Excel and Python.</li></ul>	<b>Guangzhou, China</b> Jul 2020 - Jan 2021

## SELECTED PROJECTS

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<b>Multi-threaded Getfile Server (C/C++)</b> A multi-threaded pair of clients / server interact with each other using the customized GETFILE protocol. Combined with a distributed file system via gRPC framework. The client sends asynchronous requests to the server and updates its local file system accordingly.	Spring 2024
<b>Property Assessment Modeling in R</b> 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.	Spring 2022

## HONORS

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

## SKILLS

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- Programming Languages: C/C++, Java, Python, R, JavaScript, SQL, HTML, CSS
  - Tools/Frameworks: MySQL, AWS, Pytorch, Apache, Nginx, Git, Vim, GDB, Wireshark, Docker, NumPy