

Hanzhong (Jacky) Li

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EDUCATION

University of Toronto *(Toronto, Canada)*
Bachelor of Science, Double Major in Mathematics & Statistics (Candidate)

Expected in June 2025

- CGPA: 3.50/4.00
- Academic Accolades:** Dean's List Recipient (2024); Invitee to Jackman Scholars-in-Residence Program (2023)
- Notable Courses:** Data Analysis II (A+), Design & Analysis of Experiments (A-), Time Series Analysis (A), Complex Variables (A-), Methods of Data Analysis (A), Probability, Statistics & Data Analysis II (A+), Multivariable Calculus (A+), Mathematics of Finance (A+), Abstract Mathematics (A+)

PROFESSIONAL EXPERIENCE

Bank of China, Canada *(Toronto, Canada)*
Channel Operations Management Intern

July 2024 – October 2024

- Developed Excel VBA macros to automate data comparisons and financial record-keeping; enhanced efficiency in channel operations reporting
- Managed billing and payment processes for channel partners and suppliers; ensured invoice accuracy and timely approval
- Assisted in budget management by monitoring spending against forecasts, providing analysis and recommending adjustments to optimize resource allocation and cost control
- Recorded and maintained financial data related to channel operations to ensure compliance with company policies and legal requirements

Iceberg Cyber *(Toronto, Canada)*
Data Analyst, Work Placement Education Program

September 2024 – October 2024

- Analyzed cybersecurity crimes to identify trends and provide recommendations for small and medium-sized businesses that enhance their cybersecurity awareness and protective measures
- Conducted data-driven analysis to understand criminal motivations, using statistical methods to assess vulnerabilities and propose security solutions
- Collaborated with team to gain insights into emerging technologies and best practices in cybersecurity to combat cyber threats

HUAWEI *(Beijing & Shenzhen, China)*
Data Analyst Trainee

May 2023 – July 2023

- Conducted data collection, cleaning and analysis via Python, R Language and SQL, gaining actionable insights for business decisions
- Developed interactive visualizations and detailed reports to communicate findings to stakeholders, aiding in operational improvements
- Identified emerging trends within datasets, using analytical skills and attention to detail to enhance data integrity and accuracy
- Collaborated with internal teams to align data analysis efforts with business objectives; ensured recommendations for process optimization and performance enhancement were data-driven
- Managed databases and applied data visualization techniques to provide timely insights and reports for decision-makers

PROFESSIONAL DEVELOPMENT

University of Toronto Entrepreneurship: IP (Intellectual Property) Foundations (Level 1)
Program Participant

January 2023 – May 2023

- Engaged in survey building and conducted data collection to support IP education initiatives, contributing to enhanced understanding of patents, trademarks and copyright laws
- Attended presentations highlighting significance of IP rights in modern economy and opportunities for IP protection and commercialization
- Learned value of IP and basics of patent filing, including legal frameworks essential for innovation and entrepreneurship

Miscellaneous Certifications

- Introduction to Artificial Intelligence (AI) Certificate – IBM (2024)*
- Python for Data Science, AI & Development Certificate – IBM (2024)*
- Introduction to Machine Learning Certificate – Duke University (2024)*
- Fundamentals of Quantitative Modeling Certificate – Wharton School of the University of Pennsylvania (2024)*

LEADERSHIP & PROJECT HIGHLIGHTS

- Predictive Modelling of Stock Prices Using Machine Learning || STA457 Time Series Analysis:** Developed predictive model for stock prices using historical financial data; led data collection, cleaning, exploratory data analysis, feature engineering, model development and evaluation; engineered technical indicators such as moving averages, Bollinger Bands and Relative Strength Index (RSI) to enhance predictive accuracy and applied feature selection techniques to identify influential variables
- DataFest Participant (Data Visualization Representative) || DataFest by University of Toronto & TD Bank:** Showcased data trends and concluded data visualization segment of presentation, using R for data analysis, plotting and distributions; communicated complex insights to stakeholders, thoroughly explaining impact of variables on business direction
- Election Simulation Data Analysis Project || STA304 Surveys, Sampling & Observational Data:** Led team in simulation of Canadian elections, using advanced statistical models and Python language to predict outcomes; analyzed election data by writing automation programs to provide actionable insights guiding campaign strategies and voter outreach initiatives
- Data Analysis of Hotel Booking Decisions || STA130 An Introduction to Statistical Reasoning & Data Science:** Conducted analysis of consumer behaviour in hotel booking decisions via SQL for database manipulation, examining impact of variables such as review ratings and cancellation policies to optimize marketing strategies and enhance customer satisfaction
- Abstract Mathematics Proof Development || MAT246 Concepts in Abstract Mathematics:** Led team of 5 in development and presentation of final proofs in abstract math

SKILLS

- Programming Languages & Software Proficiency:** Python, R Language, PyCharm, MS Office & Overleaf
- Data Analysis, Management & Visualization Tools:** RStudio, SQL, Data ETL Processes, Tableau
- Professional Skills:** Project Management, Team Leadership, Data Communication, Reporting & Business Analysis
- Qualitative Skills:** Communication, Problem-Solving, Adaptability, Organization & Critical Thinking
- Languages:** English (Fluent) & Mandarin (Native)