Yiran (Carina) Hao

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EDUCATION

Cornell University, College of Engineering, Ithaca, NY
Master of Engineering in Financial Engineering, **GPA: 4.0**   **Expected December 2022**

City University of Hong Kong, Kowloon, Hong Kong
Bachelor of Business Administration in Accountancy, **First Class Honor, GPA: 3.78**   **July 2021**
Minor in Mathematics & Computing
*Award*s: HKSAR Government Scholarship

Boston University, Boston, MA   **Aug. 2019**
Summer Term

Selected Coursework: Optimization, OR Tools for Financial Engineering, Derivatives Securities, Fixed-Income Securities and Interest-Rate Options, Monte Carlo Simulation, Applied Time Series Analysis, Behavioral Finance

SKILLS

Technical: Python, R, MATLAB, SQL, C++, Excel VBA

EXPERIENCE

Asset Management Intern, *Great Wall Securities,* Beijing, China   **July to Aug. 2020**
- Used Python to apply seasonal adjustment and regime switch on China's historical economic data, conducted research on macro-economic cycle, prepared 30 pages slides to present the findings to the team.
- Developed investment strategies for clients using capital markets, asset allocation, portfolio construction, and risk management for multi-asset solutions
- Collected and analyzed market news and policies, wrote 2-page summary to the team on a daily basis.

Credit Risk Co-op Student Trainee, *HSBC,* Hong Kong   **Jan. to July 2020**
- Developed VBA program to consolidate daily report to monthly report, automatically updated team tracker, assisted with regional portfolio monitor, and increased the reporting efficiency by 85%.
- Used Excel Solver to perform annual review and credit application approval on over 60 financial institutions' credit portfolios; evaluated subsidiaries using Parental Support Framework; and wrote over 60 pages financial analysis and recommendation.

Risk Advisory Intern, *Deloitte,* Beijing, China   **May to July 2018**
- Collaborated on 2 Environmental, Social, and Governance (ESG) projects; analyzed performance of company sustainability index using Excel; built pivot tables and data charts, and designed presentation slides.

PROJECTS

Company Financial and Operation Analysis (team of 5), *City University of Hong Kong.*   **Mar. to May 2019**
- Generated optimal weights to maximize returns in Excel solver, and prepared portfolio management advice.
- Estimated transportation costs between factories and stores, designed the delivery routes and saved the cost by 10%.
- Implemented non-linear programming to optimize overall performance, enhanced the total profit by 15%.

LEADERSHIP EXPERIENCE

Vice President, *Ferryman Club, City University of Hong Kong,* Hong Kong   **Sep. 2017 to May 2019**
- Helped new students with schoolwork and life in City Youth Empowerment Project.
- Organized events and delivered speeches to university's potential students in Beijing. Coordinated and produced a university promotion video well received by potential students.
- Led the external communication team of 6 to successfully obtain over $10,000 funds and 4 sponsors for 2 study tours.

ACTIVITIES/INTERESTS & CERTIFICATES

Clarinet; piano; tennis; hiking; photography
Certificates: ACCA (11/13 subjects completed); IBM Data Science Professional Certificate