

Hongxueyang (Sharon) Zheng

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EDUCATION

Cornell University, College of Engineering, Ithaca, NY
Master of Engineering in Financial Engineering

Expected December 2022

University of Wisconsin-Madison, Madison, WI

Bachelor of Science in Mathematics & Economics (Double Major), **Graduation with Distinction, GPA: 3.97**

December 2020

Sun Yat-sen University, Guangzhou, China

Bachelor of Science in Materials Science and Engineering

July 2018

Selected Coursework: Optimization, Simulation Modeling and Analysis, Machine Learning for Data Science, Monte Carlo Methods in Financial Engineering, Number Theory, Derivatives Securities, Portfolio Management, Financial Statement Analysis

SKILLS

Technical: Python, RStudio, SQL, MATLAB, JavaScript, Stata, MS Office

EXPERIENCE

Institutional Equity Trading Intern, *China Renaissance*, Shanghai, China

Mar. to June 2021

- Summarized the A-share market performance and CR quantitative analysis reports, and provided clients with market wraps on a daily basis.
- Assisted the manager with 10+ IPO meetings by organizing key points and providing reports.
- Composed overseas investors' opinions from Wellington, State Street, PIMCO, and Baillie Gifford and wrote 10+ weekly market summaries.

PROJECTS

Time Series Forecast for Net Export (by Stata and Python), *University of Wisconsin-Madison*, Madison, WI

Sep. to Nov. 2020

- Used Akaike Criterion to determine an Autoregressive Distributed Lag model with lagged values of 5 leading indicators, and conducted Forecast Combination with Granger-Ramanathan Combination Test.
- Visualized the stability of coefficients by parallel Rolling and Recursive Estimation and added break points with statistical evidence of Chow test; checked the unbiasedness of the model through Mincer-Zarnowitz Test.
- Wrote an 18-page report forecasting the Net Export of US and China for October 2020 and gave a 10-minute presentation to the professor and a class of 30.

Luminescent Membrane Sensor Design (by MATLAB), *Sun Yat-sen University*, Guangzhou, China

Mar. 2017 to Jul. 2018

- Synthesized the membrane sensor and tested for its stability, luminescence sensing and sensing mechanism within experimental groups and control groups.
- Visualized the experiment data and finished the paper with other 6 teammates; had the result published on *Journal of Photochemistry and Photobiology A: Chemistry*, vol. 370, February 2019, pp. 51–57. doi: 10.1016/j.jphotochem.2018.10.029.

LEADERSHIP EXPERIENCE

Math Tutor, *Mathematics Department - University of Wisconsin-Madison*, Madison, WI

Feb. 2020 to Dec. 2020

- Tutored for elementary calculus, analytic geometry and statistics, and held weekly teaching sessions with 5+ members in-person and remotely.

Student Supervisor, *Gordon Event Center - University of Wisconsin-Madison*, Madison, WI

Feb. 2019 to May 2020

- Worked 12-hour shifts per week and maintained weekly records of labor hours for 30+ student employees.
- Participated in the implementation of the campus WiGrow student employment initiative.

Vice President, *Original Music Club - Sun Yat-sen University*, Guangzhou, China

Sep. 2017 to Jul. 2018

- Coordinated monthly band shows and 2 annual campus music festivals, and developed the club's online media platform.

ACTIVITIES/INTERESTS & CERTIFICATES

SYSU Rainbow (for LGBTQ+); UN Online Volunteer; vocal in a band; piano; archery; Sudoku