Chengwei Wang

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Education

University of Miami Miami, US PhD in Economics Aug 2024 – Present

University of Wisconsin-Madison Madison, US MSc in Quantitative Economics Jan 2023 – May 2024

Chinese University of Hong Kong, Shenzhen Shenzhen, China Exchange experience, MSc classes in Economics Sept 2022 – Dec 2022

University of Alberta Edmonton, Canada BA in Economics — Honors: First Class Standing, Graduated with Distinction Sept 2020 – Jun 2022

Southwestern University of Finance and Economics (SWUFE) Chengdu, China BA in Economics — Honors: Academic Excellence Scholarships (every year) Sept 2018 – Jul 2020

Research Experience

Independent Researcher, University of Wisconsin-Madison Mar 2023 – Dec 2023 - Reviewed literature on international trade, economic growth, and convergence theories. Applied math ematical models using Solow and Heckscher-Ohlin frameworks.
- Simulated technology spillovers via Python, solving differential systems to analyze convergence effects - Developed algorithms that uncover unconditional sigma convergence in trade with technology diffusion. - Collaborating with Prof. Kim Ruhl on welfare analysis.

Undergraduate Thesis, SWUFE Research Institute Oct 2021 – Mar 2022 - Investigated "The Determinants of US Unemployment during COVID-19," focusing on major urban areas in the United States.
- Key finding: Nominal interest rates had the most significant impact on job losses. - Utilized Stata for data analysis, leveraging datasets from Fred, GitHub, World Bank, and the US Bureau of Labor Statistics.

Data Project for Asset Pricing, University of Alberta Sept 2021 - Analyzed the relationship between Fed's interest rates and expected inflation using Keynesian models. - Explored global trends in zero lower bound monetary policies.

Internship Experience

Quantitative Trading Researcher, Boyi Private Equity Fund Oct 2022 – Dec 2022 - Designed and built a Python-based quantitative trading system for the Chinese stock market, incorpo rating data importing, backtesting, and strategy analysis.
- Developed multiple trading strategies with distinct logic, focusing on optimal trade timing. Refined and optimized strategies to achieve superior performance.
- Generated an excess return of 22% from 2019-2022, with annualized returns stabilizing around 12%.
- Conducted rigorous performance analysis on over 1,300 stocks, identifying critical factors for strategy success, leading to improved fund operations.

Assistant HR Consultant, Mercer Jul 2021 – Aug 2021 - Conducted industry research and provided HR recommendations.
- Increased WeChat followers by 80% through content management.

Skills

Programming: Python, Stata, R, MATLAB
Languages: Fluent in English and Chinese