

Wei Fang

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EDUCATION

University of Washington (UW)

Seattle, US

- BS, Economics, BA, Mathematics, Double Degree, Minor in Data Science, Applied Mathematics *Sept 2021 – Jun 2025*
- GPA: 3.51/4.0 (Dean's List Award for five semesters)

Relevant Courses: Intro & Advanced Microeconomics, Intro & Advanced Macroeconomics, Econometric Theory & Proof, Computer Programming I, Linear Algebra & Real Analysis, Advanced Multivariable Calculus, Probability

PROFESSIONAL/ACADEMIC TRAINING EXPERIENCE

CHINA ZHESHANG BANK CO., LTD.

Hefei, China

Intern/Technological Operations

August 2024 – September 2024

- Assisted in developing the testing system for product issuance, code functionality and version updates.
- Shadowed the construction of quality assurance model, scanned the quality of DevOps-based modules, performed multi-dimensional analysis and ensured a 100% passing rate.
- Participated in improving the visualization and quantification of the progress of ongoing testing projects.

IFLYTEK CO., LTD.

Hefei, China

Intern/Data Analyst

June 2024 – July 2024

- Assisted in establishing and improving the indicative system of traffic data, monitored and analyzed the operational data from daily business operations.
- Synthesized relevant information and churned out business reports based on analytical results, and provided counter-measures and suggestions for improving business decisions.
- Monitored users' behavioral data and suggested improvements for better alignment with the industry trends.

HUA'AN SECURITIES CO., LTD.

Hefei, China

Intern/Asset Management

June 2023 – September 2023

- Compiled and applied a quantitative model of analyzing convertible bonds using R, contributed to developing a part of the automated system of analyzing vast database across various industrial sectors.
- Collected and analyzed the first-hand data, and advised on the asset allocation considering different issuers' profiles and the nature of business.
- Reviewed and advised on the quarterly product report of convertible bonds, and performed financial statement analysis and ratio analysis.

ACADEMIC PUBLICATION

- ARMA model-based Forecasts of Economic Development*, Foreign Investment in China (A core Journal on National Economy), 2012, 269(7): ISSN1004-8146 CN11-3073/F
- The application of the CAPM Capital Asset Pricing Model*, China Market (National Core Journal), 2012,8: ISSN1005-6432 CN11-3358/F

PROJECT EXPERIENCE

- Seating Zones and Pricing Strategies for Meany Hall.*** By implementing a 2-factor optimization function in R and performing statistical analysis, the group derived an optimized pricing and seating strategy that improved the real-life profit of the said performing arts center.
- Correlation between Appearance and Staff Salary.*** Through collecting raw data from a sample of 152 university teaching staff, and with variables including race, gender, age, department and positions being controlled, a linear regression model was constructed to determine the correlation between the objective appearance level and staff salary.
- Predicting Student Dropout Rates Using Machine Learning.*** A linear regression model was constructed to examine the correlation between academic performance, financial status, demographic factors, and student dropout probability. Using a Kaggle dataset with 35 features, key factors influencing dropouts were identified by applying additional machine learning models, including Random Forest and Support Vector Machines.

CO-CURRICULUM EXPERIENCE

UW Automobile Association

- Held a leadership position in planning a road trip to National Park in Seattle, and participated in organizing donation drives launched by the Association.

TECHNICAL PROFICIENCIES

- Programming Skills: R, Python, MatLab.
- Other Skills: Data analysis, software proficiency (Microsoft, Latex), languages (English, Mandarin)