Wilson Wang

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EDUCATION

Washington University in St. Louis. Dec 2018
Bachelor of Science in Computer Science, Second major in both Finance and Financial Engineering, Minor in Economics
- Cumulative GPA: 3.7/4.0, Dean's List
- Coursework: Engineering Mathematics, Financial Modeling, Corporation Finance

SKILLS/INTEREST

- Proficient in Java, Python, C++, MATLAB, SQL databases, MongoDB, Stata, R, VBA, Swift, D3, JavaScript, PHP through multiple classes, jobs, and years of programming experience
- Proficient in using Bloomberg, Capital IQ, Wind, WRDS, Nexus Lexus data engines to do research
- Familiar with C and SAS through intern
- Fluent in both English and Chinese
- Interested in graphical design, Detective Mystery, Texas Poker, swing dance, triathlon, and world history

WORK EXPERIENCE

Federal Reserve Bank in St. Louis, Research Division
FRED (Federal Reserve Economic Database) Research Intern May 2017 – Aug 2017
- Managed economic time series data in Python, SAS, R and SQL. The code fetched and organized raw data from sources, optimizing data structures and pushing series onto FRED platform using crosswalk.
- Published data series online and wrote economic blogs about recent data releases and FRED plot functions.
- Audited economist conferences related to treasury balance and credit markets. Helped design conference slides and handouts.
- Created data search service for FRED. This software library enabled fast classification and grouping of data points.

CITICS Securities, Research Division
Equity Research Intern May 2016 – August 2016
- Developed international stock ownership database. The data helped with traders' decision making.
- Conducted "channel checks" and analyzed policy releases for stock recommendation. Researched about topics related to health care, new energy vehicle, international city clusters, and mixed ownership public companies.

JHJS International Shipping
Financial Research Intern June 2015 – August 2015
- Monitored accounting ratios for loan consolidation. Our accounting team helped company acquire a 1,400,000-dollar loan.
- Compiled and analyzed demographic data in the international shipping industry to help company make regional growth plans.
- Structured safety management manual. Edited company public description book.

AIC Educational Consulting International
Business cofounder and associate February 2014 – August 2016
- Initialized a regional customer preference database and consulted clients on family education planning and standard test training.
- Led field trips to a variety of education associations worldwide. Hold information sessions and guest talks for clients.
- Independently achieved an average seasonal contract break of over $110,000.

RESEARCH EXPERIENCE

Washington University Olin Business School
Research Assistant February 2016 – May 2018
- Created machine learning code to analyze over 300,000 CEOs' personalities and originalities through their elocution in call transcripts using machine learning toolboxes and Java language packages.
- Processed 27,000 companies' employee review data by cloud computing for future research.

Washington University in St. Louis Engineering
Individual Research Candidate Aug 2017 – Dec 2017
- Set up mathematic models in MATLAB analyzing default risk in financial systems. Produced quantitative comparative statistics that imply the result of unsystematic shocks to the value of equity of individual firms.
- Graphically analyzed the model to indicate sustainability of individual banks and bank systems under various scale of shocks.

Washington University in St. Louis
Computer Science Teacher Assistant February 2016 – Present
- Graded and tutored in coursework related to algorithm design, Cloud Computing and Social Network Analysis.

LEARDERSHIP AND SERVICE

Washington University Emerging Market Club — Co-President September 2015 – May 2018
- Organized monthly events, including quest talks and group discussion about topics in developing countries.

Washington University Student Investment Fund — Portfolio Manager October 2015 – Feb 2018
- Led student group in financial modeling and fundamental analysis of companies in consumer goods sector.