Zizhou Sang

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EDUCATION

University of Illinois at Urbana-Champaign *Champaign, IL*

Master of Science in Information Management *Sep 2019 – Present*

- Current grades (20 Spring): Network Analysis (96.45), Data Mining (97.25), Methods for Data Science (97.90)
- 19 Fall GPA: 3.66 (three required courses, 4.0 for one coding based course, A^- and B^+ for two other non-tech)

Nanjing University *Nanjing, China*

Bachelor of Economics in Financial Engineering *Sep 2016 – Present*

- GPA: Overall: 4.30/5.00 | Major: 4.38/5.00 | Senior Major: 4.75/5.00 (top ranked)
- Transferred from Urban Planning as a junior in 2016, completed most courses in two years with *FE 18′*. Did course projects as core contributor and received exceptional remarks from professors in all senior courses.

RESEARCHES & PROJECTS

Solidity in a Turbulent Flow: SNA of Aristocratic Families in the Eastern Jin Dynasty *Research*

Co-authored with Wenyi Shang (UIUC PhD Student) *Apr 2020 – May 2020*

- Performed social network analysis and mainly responsible for coding in our original research of *Shishuo Xinyu*.
- Paper is finished and to be submitted to the *Journal of Historical Network Research*.

Kaggle House Price Prediction: Advanced Regression Techniques *Methods for Data Science*

Advised by Prof.Yang Wang (UIUC) *Mar 2020 – Apr 2020*

- Explored various machine learning and feature engineering methods with ranking top 24.9% on leaderboard.
- Works received various passionate praises by Prof.Wang and classmates.

Routing Optimization for High Speed Photon State-Channel Architecture *Summer Research*

Advised by Prof.Xiaowei Ding (Stanford PhD) and Dr.Peter Yan (WUSTL PhD) *Jul 2018 – Oct 2018*

- Attempted to improve the off-chain transfer throughput of Photon network in blockchain project SmartMesh.
- Simulated Photon network on Matlab, applied fmincon for optimization, served as bilingual coordinator.
- Paper submitted to *China Computer Federation National Conference on Blockchain Technologies (CCF NCBT) 2018*.

Accumulator Pricing *Structured Finance*

Advised by Prof.Xuewei Yang (Joint UIUC PhD, author of one JFE paper) *Sep 2017 – Oct 2017*

- Studied a theoretical paper, implemented accumulator pricing in both analytical and Monte Carlo method.
- Single work done in seven days by Matlab first-timer. Works exceeded Prof.Yang's expectation by receiving *'Few of you could have done this, even if you were provided with the formulae'* public remark during presentation.

EXPERIENCES

Amino Capital *Venture Analyst Intern*

Advised by Dr.Sue Xu (Managing Partner, Stanford PostDoc) *Jul 2018 – Aug 2018*

- Assisted in cryptocurrency venture analysis for Silicon Valley incubator and responsible for assorted tasks.
- Received 2020 summer analyst intern offer at headquarters located in Palo Alto, CA.

AXA Hong Kong *Part-time Analyst*

Advised by Mr.Stephen Tang (Former AXA HK Executive District Manager) *Oct 2017 – Nov 2017*

- Team leader in practicing the process of portfolio building, including market analysis and expectation, quantitative asset valuation as well as allocation based on extensive data and exclusive research reports.
- Commended by supervisors as *all-time best* and *highly professional* through virtually singlehanded hardwork.

COURSES & LANGUAGES

- **Standardized Test Score**: TOEFL 106 *(Speaking 27)* , GRE 333 *(Verbal 163)*
- **Programming Languages**: Python, R, Matlab, SQL, SAS, LaTeX
- **Computer Science**: Data Mining, Methods for Data Science, Algorithm Design and Analysis *(Coursera)*
- **Statistics**: Probability and Statistics, Financial Econometrics, Machine Learning *(Coursera)*

HONORS & INTERESTS

- **2017 Top 10 Reader of Nanjing University**: Highest annual borrowings from the library.
- **2015 FLTRP Cup National English Writing Contest, Nanjing Univeristy Division**: **Champion**