Zizhou Sang
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Education

- **University of Illinois at Urbana-Champaign** — *Champaign, IL*
  Master of Science in Information Management — *Sep 2019 – Present*
  - Overall GPA: 3.83 (All 4.0 for four high-quality courses, A^- and B^+ for two other required non-tech courses)
- **Nanjing University** — *Nanjing, China*
  Bachelor of Economics in Financial Engineering — *Sep 2016 – Jun 2019*
  - 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 single-handedly 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** — *Champaign, IL*
  Co-authored with Dr.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 accepted by the *Journal of Historical Network Research*.
- **Kaggle House Price Prediction: Advanced Regression Techniques** — *Champaign, IL*
  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** — *Nanjing, China*
  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** — *Nanjing, China*
  Advised by Prof.Xuewei Yang (Joint UIUC PhD, author of two JFE papers) — *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** — *Palo Alto, CA*
  Advised by Dr.Sue Xu (Managing Partner, Stanford PostDoc) — *May 2020 – Present*
  - Working as analyst intern, assisting in venture analysis and responsible for assorted tasks.
- **AXA Hong Kong** — *Kowloon, Hong Kong*
  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 Univerisity Division**: **Champion**