

Zhiao Zhou

<http://zhiaozhou.top/>

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EDUCATION

- **Georgia Institute of Technology** Online (Conferred with On-campus Degree)
Master of Science in Computer Science with a Machine Learning track Aug. 2018 – Jun. 2022
- **New York University** New York, USA
Master of Science in Urban Data Science GPA: 3.57 Aug. 2017 – Aug. 2018
- Major courses: Applied Data Science, Machine Learning, Deep Learning, Urban Spatial Analysis, Real Time and Big Data Analytics
- **Shanghai University of Finance & Economics** Shanghai, China
Bachelor of Economics in Actuarial Science Sept. 2013 – Jun. 2017
- Major courses: Accounting, Macro & Microeconomics, Corporate Finance, Investments, Financial Modeling, Stochastic Process, Surviving Model

EXPERIENCE

- **New York University** New York, USA
Research Assistant Mar. 2018 - Aug. 2018
 - Wrote a Twitter Crawler to obtain all the tweets during the Hurricane Harvey.
 - Trained an LSTM with embedding matrix to detect fake news and rumors during hurricane Harvey in Houston.
- **Guotai Junan Securities** Shanghai, China
Quant Intern, Department of e-Finance Dec. 2017 - Jan. 2018
 - Develop quantitative security selection strategies for retail investors in China based on research papers
 - Developed 4 Event-Driven Strategies and 1 ROE Value Investing Strategy.
 - Accomplish the quantitative demands raised by other teams.
- **Orient Securities** Shanghai, China
Researcher Assistant Intern, Tactic Team, Equity Research Department Feb. 2017 - May. 2017
 - Developed the daily equity strategy report template including key indicators tracking, stock market replay, comments on important news and trend analysis.
 - Written over 30 daily reports with at least 200 views per day, 628 at max.
 - Assisted researcher on several in-depth equity strategies reports including Nifty 50, the Belt and Road, A large bay area of Guangdong, etc.
- **Haitong Securities** Shanghai, China
Researcher Assistant Intern, Equity Research Department Dec. 2016 - Feb. 2017
 - Daily nonferrous metal industrial research report (Public).
 - Worked on several corporation research report with profit forecast.
 - Collecting data regarding the industry and corporations using Wind.

PROJECTS

- **Traffic Density Detector:** A Faster RCNN with Inception ResNet V2 object detection model for measuring traffic density under any traffic cams
- **Overlapping Digits Segmentation:** A CapsNet model for segmenting two highly overlapping digits which outperforms a CNN model.
- **Chinese Stock Prediction Using Weibo & Baidu News Sentiment:** A neural network regression model to predict the mean stock price percentage change everyday using financial factors along with corresponding Sina Weibo and Baidu News sentiment scores.

PROGRAMMING SKILLS

- **Languages:** Python, R, HTML, CSS, JavaScript
- **Technologies:** Tensorflow, Keras, Hive, HBase, Spark