Zhiao Zou

https://github.com/zhiaozhou/

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EDUCATION

Georgia Institute of Technology Online
Master of Science in Computer Science with a Machine Learning track *Sept. 2018 – Jun. 2022*

New York University New York, USA
Master of Science in Urban Data Science *Aug. 2017 – Aug. 2018*

- Major courses: Applied Data Science, Machine Learning, Deep Learning, Urban Spatial Analysis, Real Time and Big Data Analytics, News 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

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.
- Proficient in Python and Uqer back testing platform.

Essence Securities Shanghai, China
Researcher Assistant Intern, TMT, Equity Research Department *Jul. 2017 - Aug. 2017*

- Assisted the researcher for several in-depth gaming industry/equity research reports including Netease, Tencent, etc.

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.
- Worked on several strategies related research including Leverage Buyout in USA and China.
- 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.
- Support other tasks assigned by the Chief Analyst.

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.
- **nyuclassesdl**: A python package to download attachments on NYU Classes automatically for NYU students.
- **infinite image downloader**: A python package for downloading a certain amount of images on Google Images given a keyword using Google's "search image by image" feature.