Jia (Kevin) He

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EDUCATION

Texas A&M University, Mays Business School	College Station, Texas
Master of Science in Management of Information Systems (GPA:4.0/4.0)	May 2019

Xiamen University, College of Information, College of Economics	Xiamen, Fujian/China
Bachelor of Engineering in Information Engineering (GPA: 3.52/4.0)	June 2013
Minor in Finance (GPA: 4.0/4.0)	

SKILLS & CERTIFICATES

Programming Skills: Python (Pandas, NumPy, SciPy), R, SQL, HTML, JavaScript
Certificates: CFA Level 1 (passed as top 10%), Hackerrank-Python 1st rank, Python for Algorithmic Trading, Algorithms (Stanford, coursera.org), Programming Using Python (MIT)
Tools and Frameworks: Git, Linux, AWS, Azure, MySQL, Django, Microsoft Office

EXPERIENCE

Texas A&M University

Finance Research Assistant |Department of Finance   December 2018 – Present
- Designed Python algorithms to automatically search and collect 1,800 companies' investment related events and their participants through Nexis API
- Searched 600 analysts' experience through LinkedIn and Relation Science, and used Pandas and NumPy to clean and integrate data from different databases like Morningstar and CRSP

Content Manager | Graduate Assistant, International Student Service   May 2018 – Present
- Gather, analyze and complete requirements from users to sustain and update website (http://iss.tamu.edu/), providing service for 6000 international student users.
- Streamline service process in ISS by transferring daily work from paper to online content and process managing system, increasing department efficiency by 20%

ChinaNetCenter - The leading IT company in China   Xiamen, Fujian/China
Optimization Modeling Engineer   May 2016 – April 2017
- Analyzed status of thousands of servers on in more than 800 global data centers to ensure balanced usage of each server, resulting in 10% cost reduction (using cloud-based Linux system)
- Built models with Python to supervise and coordinate customer service, providing optimization solutions for system and manual schedule
- Cooperated with other departments using SDLC methodologies in project Automation for Resource Schedule; gathered requirements and transformed them into business solutions

Yixin Education & Technology Company   Xiamen, Fujian/China
Data Engineer   June 2013 - July 2015
- Designed data schema using ERD and implemented a MySQL database system, allowing clients and employees to fill and update information on webpages
- Analyzed and classified the raw data with Python, and provided weekly or monthly reports to analyze business issues such as consumer behaviors, revenue trend, and cost distribution

PROJECTS (SELECTED)

Python Modeling in Finance (*https://github.com/aggieKevin/PythonModeling_Finance***)** July 2016 - present
- Use CAPM and optimization algorithm to find the best portfolio in terms of risk and return
- Use Monto Carlo simulation to simulate different trading prices and volumes to profit from stock
- Apply algorithmic trading in Quantopian to track Alpha, Beta and Sharp ratio and adjust investment

Python-Machine Learning (*https://github.com/aggieKevin/Machine_Learning***)**   April 2017 - present
- Use machine learning methods like linear regression, decision tree and K-means to build models
- Test and compare different models with methods including confusion matrix, R2, P-value.