Yansong Li

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🎓 Education

Peking University (PKU), Beijing, China   2018.9 – Present
Master student in Computer Science (CS), expected July 2021

Jilin University (JLU), JiLin, China   2013.9 – 2017.7
B.S. in Computer Science (CS)

🏢 Internship

Microsoft (STCA)   XiaoIce CoreChat Team   Beijing   2019.11 – Present
Distributed task management platform

- Implemented an operation management platform of internal script tasks for software engineers and product managers. The back-end uses Python's Django framework, and the front-end uses Vue.js and Element-ui for implementation.
- The operation management makes it more convenient to control scripts running and view running status. The platform could view running results in real time and manage tasks in a unified way.
- Implemented distributed scheduling to improve efficiency.

ByteDance   Data-System-Network Team   Beijing   2019.6 – 2019.10
Network traffic monitoring system

- Deployed Sflow on the switches in the data center to detect whether the network traffic in the data center is abnormal. The software sends the sampled datagrams to the specified server via UDP.
- Deployed the TrafficMonitor system on the server to collect the data packets on the specified socket, which could perform traffic aggregation and write result to Redis and Kafka.
- In order to use memory efficiently and improve the accuracy of hotspot data statistics, I used HeavyGuardian data structure to save hotspot data.

📋 Projects

Stock Forecasting Based on Knowledge Graph and LSTM

- Aimed to forecast the rise and fall of stock prices by learning the price and news features of S&P 500.
- Extracted the triple information < Company A, Behavior, Company B> from the news headline, embedding with knowledge graph to get a word vector.
- Fed all features to LSTM. Achieved 8% higher accuracy than pure random prediction in given dataset.

Acetrader futures trading software

- This project is mainly based on the CTP interface of futures provided by the Shanghai futures exchange. I implement the subscription function and transaction function by rewriting the interface.
- By setting the closing price in advance, the transaction can be conducted quickly and the success rate of the transaction can be improved.

🏆 Honors

The Third Prize Scholarship and Individual Scholarship, Jilin University   2016.9
The First Prize Scholarship and University Excellent Student, Jilin University   2017.6

👤 Miscellaneous

- GitHub: https://github.com/iceice
- Skills: C++, Python, Golang, MySQL, Linux, Vim
- Courses: Data Structure, Operating System, Computer Network, Machine Learning, Deep Learning
- Languages: English - Fluent (CET-6)