

YONGBO WANG

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PROFILE:

I am now an associate quality engineer in Red Hat, Beijing, since October 2018. Before this, I was a visiting student in the AI&NLP team in SIAT, Chinese Academy of Sciences, under the supervision of Prof. Min Yang since December 2017. Prior to this, I received my master degree in Chongqing University (CQU) under the supervision of Prof. Yunni Xia in June, 2018. I also received my double bachelor degree in Computer Science (major) and Business Administration (minor) from CQU in June, 2015.

EDUCATION:

Master | College of Computer Science, Chongqing University *Sep 2015-Jun 2018*

- Major in Computer Science and Technology (recommended postgraduate)
- Supervisor: Prof. Yunni Xia
- Research area: Resource scheduling based on Cloud Computing

Bachelor | College of Computer Science, Chongqing University *Sep 2011-Jun 2015*

- Major in Computer Science and Technology
- Minor in Business Administration (Supervisor: Prof. Wei Yan)

RESEARCH INTERESTS:

Natural Language Processing, Deep Learning

PUBLICATIONS:

- Shuai Yu, **Yongbo Wang**, Min Yang, Baocheng Li, Qiang Qu, Jialie Shen, *NAIRS: A Neural Attentive Interpretable Recommendation System* accepted by ACM International Conference on Web Search and Data Mining (WSDM, demo), 2018.
- Weiling Li, **Yongbo Wang**, Yuandou Wang, Yunni Xia, Kunyin Guo, Quanwang Wu, Qingsheng Zhu, *An energy-aware and under-SLA-constraints VM consolidation strategy based on the optimal matching method* accepted by International Journal of Web Services Research Volume 14, Issue 4 (IJWSR), IF0.667, 2017.
- **YongBo Wang**, HaiChuan Zhang, KunYin Guo, Yunni Xia*, WeiLing Li, *Stochastic performance analysis of unreliable IaaS clouds* accepted by Proceedings of S2 International Conference on Internet of Things (ICIOT), 2016.

AI RELATED COMPETITION:

- *The second place in the finals in the Intelligent Investment Adviser Game of the Big Data and Artificial Intelligence Innovation and Entrepreneurship Contest of 2017.*

This is one of the competitions about machine learning and NLP in China. According to the company's research reports, announcements, and related news reports published by the A-share listed companies, and previous data on the company's stock quotation, the corresponding company's stock price movements in the next three days will be forecasted. I used the TF-IDF to extract the keywords in the texts, combined the professional lexical corpus in the financial industry to carry out sentiment analysis on the texts, and then used the bidirectional LSTM to construct the prediction model, and finally obtained the company's stock movements in the next three days.

PROFESSIONAL EXPERIENCE:

Quality Engineer, Kernel General, Red Hat

Oct 2018-Present

- *Real Time Kernel on RHEL-6, RHEL-7*

On going now ...

Natural Language Processing Intern, BMI, SIAT, Chinese Academy of Sciences

Dec 2017-Sept 2018

- *Time Series Twitter Stream Text Summarization*

Real-time Summarization (RTS) is one of the tracks of the Text REtrieval Conference, it explores techniques for constructing real-time update summaries from social media streams in response to users' information needs. In this task, I adopted a multi-task learning mechanism. Among them, one task is to classify the tweet stream text to determine the category of the current tweet; The other task is to use deep reinforcement learning method to calculate the action that the current tweet in the Twitter stream should take. To filter out tweets that aren't related to the current event and extract the tweets that are related, and finally the extracted tweets are combined into the summary of the event.

Machine Learning & NLP Intern, Aizhahui Technology Co., Ltd., Shenzhen, China *Jul 2016-Nov 2017*

- Full text search of financial news, research reports and announcements of listed companies, and log analysis, the project based on Elasticsearch, Kafka, Logstash, Zookeeper and Kibana.
- *The Chaorder System*. Using NLP, Machine Learning and ECKGs technologies.
- *A chinese version of ECKGs*.
- As project leader, developed the *AITouJiang* based on Wechat Official Account.
- As the principal person, started building public and private cloud servers from scratch. Responsible for server deployment and later maintenance.

Web Developer Intern, Chongqing Lingdao Technology Co. Ltd., Chongqing, China

Jul 2015-Oct 2015

- *ChunJi Micro Mall* project.
- *Holiday bargaining program* project.
- *Music Album* project.

OTHER PROJECTS:

Teaching Management System project

Spring 2016

WeChat Medical System project

Spring 2016

Power Construction Corporation of Chongqing project

Spring 2015

SCHOLARSHIPS AND AWARDS:

- **2nd place**, The Intelligent Investment Adviser Game of the Big Data and Artificial Intelligence Innovation and Entrepreneurship Contest of 2017.
- 2nd prize, Chongqing Division, China Undergraduate Mathematical Contest in Modeling (2013).
- National Endeavor Scholarship (top 5%) (2012).
- 2nd prize, Scholarship, Chongqing University (top 3%) (2012).

SKILLS:

Language: Python, Java, Shell.

Tools: Keras, Tensorflow, Linux, Docker, Hadoop, HBase, Elasticsearch, MySQL, MongoDB, SVN, Git.

Web Frameworks and Skills: Django, SpringMVC, Struts2, HTML, Javascript, Ajax.