YONGBO WANG
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PROFILE:

Machine Learning and Natural Language Processing (NLP) professional with over 1 year of internship experience. Good at commonly used Machine Learning algorithms and like to study cutting-edge theories and algorithms for machine learning and deep learning. Master's candidate in Computer Science with a concentration in Cloud Computing. Double bachelor degree in Computer Science and Business Administration. Sensitive to numbers and good at using math and programming to solve practical problems. Title of *Network Engineer*. Strong background in programming.

EDUCATION:

College of Computer Science, Chongqing University   *Sep 2015-present*
- Master of Computer Science and Technology (recommended postgraduate)

College of Computer Science, Chongqing University   *Sep 2011*
- Bachelor of Computer Science and Technology (minor in Business Administration)

RESEARCH INTERESTS:

Natural Language Processing, Machine Learning, Deep Learning

PUBLICATIONS:

- 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 (IJWSR) Volume 14, Issue 4 (IJWSR), IF0.667, 2017.
- **YongBuo 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:

We won **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.

PROFESSIONAL EXPERIENCE:

Machine Learning & NLP Intern, Aizhihui Technology Co., Ltd., Shenzhen, China   *Jul 2016-present*
- 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, using the company's internal financial dictionary for the word segmentation processing, filtering stop words. This cluster uses 5 virtual machines to store and query data in a distributed way.
- Using Tensorflow framework based on Bi-LSTM algorithm and financial domain corpus for *POS tagging*, analyze the result and optimize the model.
- *The Chaorder System*. Using NLP, Machine Learning, Word2Vec and ECKGs technologies. Provide Chinese and English event query, A stock market fluctuation, income risk analysis for the B end users, extracting information of subject, predicate, object and time from news.

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- *A chinese version of ECKGs*. According to the English ECKGs framework, our group have developed a Chinese version. Using Ltp's open source framework, machine learning and deep learning technology, and the final output of three tuples achieved good results.
- Building the open source distributed system *Event-Centric Knowledge Graphs (ECKGs)* to extract three tuples from a mass of english articles. As news articles describe changes in the world through the events they report, it presents an approach to create ECKGs using state-of-the-art natural language processing and semantic web techniques.
- As project leader, developed the *AITouJiang* based on Wechat Official Account. From drawing up a plan, requirements analysis, prototype design, programming and testing up to deployed.
- 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-Oct 2015*

- *ChunJi Micro Mall* project. It′s a mall system, developed using the Struts2 and JDBC framework. Through collaboration, work with another to complete the development.
- *Holiday bargaining program* project. Through WeChat, the buyers forward the program to their friends, who need clicking the button to bargain for the specified item, and the program cuts out part of the price at random.
- *Music Album* project. Users upload albums of their own, and the system automatically generates albums with background music, all of which are customizable.

SCHOOL 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, Scholarship, Chongqing University (2017).
- 2nd prize, Scholarship, Chongqing University (2016).
- 2nd prize, Chongqing Division, China Undergraduate Mathematical Contest in Modeling (2013).
- National Endeavor Scholarship (top 5%) (2012).
- 2nd prize, Scholarship, Chongqing University (2012).

SKILLS:

Python, Java, Shell, Linux, Docker, Hadoop, HBase, Sqoop, Pig, Elasticsearch, Tensorflow, MySQL, MongoDB, SVN, GitLab, Django, Web frameworks.

Others: Excellent written and verbal communication skills. Demonstrated team player. Work well with a multi-cultural and diverse work force. Thrives in collaborative environments.