

Zhaohui Li

No.6 Kexueyuan South Road Zhongguancun, Haidian District Beijing, China, 100190

(+86)156-2099-0837 nkzhaohuilee@gmail.com

EDUCATION

School of Computer and Control Engineering, Nankai University

Aug 2012-Jul 2016

Bachelor of Computer Science

WORKING EXPERIENCES

Institute of Computing Technology, Chinese Academy of Science | Research Assistant | Beijing

Jul 2016-Present

Mentor: Professor Jun Xu, Professor and Researcher of CAS Key Laboratory of Network Data Science and Technology, ICT

BDA: big data analysis as a service (<http://159.226.40.104:18080/dev/>)

- Responsible for the survey of Big Data Analysis System
- Contributed algorithm word2vec to Lib
- Established and implemented an efficient, high scalability data analysis system based on HDFS, Spark and using Oozie to create a pipeline between HDFS and spark
- Core member of designing BDA Studio, which is a HCI to enable user to modify model or change parameters on website visual interface
- Published Demo paper —— Ease the Process of Machine Learning with Dataflow (CNKI 2016 Best Demo Paper Candidate)

Easy Machine Learning: An Open Source and general-purpose dataflow-based system for easing the process of applying machine learning algorithms to real world tasks

- Developed BDA to an open source version system and created corresponding Docker images
- Used Weave to enable communication across Docker containers
- Maintained the whole released code version (gained **1541** Stars on GitHub)
- Wrote scripts to achieve fast cluster deployment using our Docker images

RESEARCH EXPERIENCES

Word Vector Modeling for Sentiment Analysis | Nankai University | Research Assistant

Mar 2013-Dec 2014

Advisor: Jie Liu, professor at School of Computer Science, Nankai University

- Surveyed Word Vector Modeling method and analysis statistical attributes over Amazon Product Review Dataset
- Improved Word2Vec by adding a positive/negative label which represents words' sentiment information on product reviews
- Acquired the best F1 score in the Competition of NLPCC2014
- Published Paper in NLPCC2014: Word Vector Modeling for Sentiment Analysis of Product Reviews (EI)

Reinforce Learning Improvement and Parallelization | ICT | Research Assistant

Dec 2016-Mar 2017

Advisor: Professor Jun Xu, Professor and Researcher of CAS Key Laboratory of Network Data Science and Technology, ICT

- Paralleled method in the Monte Carlo Algorithm to speed up Reinforcement Learning
- Applied our Parallel Reinforcement Learning method to Search Result Diversification

AWARDS AND ACTIVITIES

"GongNeng" Scholarship of Nankai University(10 out of 200 students)

Dec 2013

Volunteer on 2014 Tianjin International Marathon| Ambulance volunteer

May 2014

Interdisciplinary Contest in Modeling, "H" Award| Team member

Feb 2015

Captain of Department Soccer Team (silver medal)| Nankai University | Team Leader

May 2014-Jul 2015

SKILLS

Team working management and code version maintenance

Familiar with Basic Machine Learning Algorithm

Skillful at Distributed system (Spark and HDFS)

Programming Languages: Java, C++, Python, Scala

Familiar with TensorFlow

Create Docker images