Yao Zhou

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RESEARCH INTERESTS

Deep Learning and Machine Learning, Natural Language Processing, Reinforcement Learning and Computer Vision.

EDUCATION

Sun Yat-Sen University, Guangzhou, China
Master of Science., Computer Science, *Expected:* Summer 2018
- Thesis Topic: *Deep learning for natural language processing*
- Advisors: Cong Liu, A.P. and Yan Pan, A.P.

Sun Yat-Sen University, Guangzhou, China
Bachelor of Science., Computer Science
- Interests: *Mathematics, Programming Language and Web Development.*

EXPERIENCE

Horizon Robotics   August 2016 to present
Research Intern, Work with: Lixin Cao
- Aims at building end-to-end task-oriented dialogue system.
- Work on natural language understanding.

Summba Inc. DataStory   March 2015 to Oct 2015 (6 months)
Software Engineer, Work with: Arber Xu, Ph.D.
- Developed a web application by Ruby on Rails, labeller.yeezhao.com, for annotating online product reviews and building supervised data.
- Completed a various of web spiders, including e-malls such as Tmall, JD, Amazon and social websites such as Weibo, Zhihu, Douban . . .
- Involved in industrial natural language processing, building the distributed information extracting system to analyse the sentiment polarity of online reviews.

PUBLICATIONS

1. **Yao Zhou**, Cong Liu and Yan Pan. Modelling Sentence Pairs with Tree-structured Attentive Encoder PDF, In *The International Conference on Computational Linguistics.*

PROJECTS

jtorch   github.com/sysudnlp/jtorch
- An open source Java package for deep learning, inspired by Facebook Torch7,
- Supporting efficient matrix/tensor operations, outperforming 5-7 times than basic matrix multiplication.
- Building deep neural network by adding layers step by step, supporting end-to-end training.

deepmind-qa   github.com/yoosan/deepmind_qa
- An open source project which attempt to implement the paper "Teaching Machines to Read and Comprehend", DeepMind, In *NIPS 2015*

deeprl   github.com/yoosan/deeprl
- a toy for playing with reinforcement learning.

SKILLS

Programming Languages   More experience – Less experience
- Java, Lua, C/C++, Python, Ruby, Shell, Javascript.

Systems
- Unix/Linux, VPS

Databases
- MySQL, NoSQL, MongoDB, Redis, Solr, ElasticSearch

Computing
- Spark, Hadoop, MPI

Deep Learning
- Torch7 (with GPU)

Tools
- LaTeX, Markdown, Vim
- Git, SVN