Yao Zhou

CONTACT INFORMATION	SYSU-CMU Joint Institute of Engineering, 406 Higher Education Mega Center North, Guangzhou	(+86) 185-6538-1407 cliviazhou@foxmail.com

RESEARCH INTERESTS

Deep learning for natural language processing, Semantic representation, Question answering, Distributed and parallel computing.

EDUCATION

Sun Yat-Sen University, Guangzhou, China

Master of Science., Computer Science, *Expected:* Summer 2018
- Thesis Topic: *Deep learning for natural language processing with applications.*
- Advisors: Cong Liu, A.P.

Sun Yat-Sen University, Guangzhou, China

Bachelor of Science., Computer Science, June 2015
- Interests: *Mathematics and algorithms, Statistics, Programming language and Web development.*

PUBLICATIONS

1. **Yao Zhou**, Cong Liu and Yan Pan. "Attention-based Recursive Neural Networks for Semantic Representation", *arXiv preprint, arXiv*, 2016.

INDUSTRY EXPERIENCE

Software Engineer   March 2015 to Oct 2015
Summba Inc. DataStory
Work with: Arber Xu, Ph.D and Yishi Guo, Ph.D candidate.
- Develop a web application by Ruby on Rails, labeller.yeezhao.com, which is used to complete many label tasks.
- Complete a various of web spiders, including e-malls such as Tmall, JD, Amazon and social websites such as Weibo, Zhihu, Douban . . .
- Get involved in industry natural language processing, building information extracting system to analyze the sentiment polarity of online reviews.

PROJECTS

Jtorch   github.com/sysudnlp/jtorch
- A 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.

Sysu-nlp-core   github.com/sysudnlp/sysu-nlp-core
- A toolkit of NLP, a wrapper of Stanford CoreNLP toolkits. Basic tasks such as Tokenize/Segmentation, POS, NER, Parsing trees...

Zhihu spider   github.com/yoosan/zhihuspider
- Web spider for zhihu.com, using *Scrapy* to crawl user information and questions with answers. *Redis* for cache userlist and *Elasticsearch* for visualizing results.

Deepnlp   github.com/yoosan/deepnlp
- Some implementations of the academic papers by *Torch7* and *lua.*

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

Systems
- Unix/Linux, VPS

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

Computing
- Spark, Hadoop, MPI

Deep Learning
- Torch (with GPU)

Tools
- LaTeX, Markdown, Vim
- Git, SVN