

Yao Zhou

CONTACT INFORMATION SYSU-CMU Joint Institute of Engineering, 406 (+86) 185-6538-1407
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RESEARCH INTERESTS Deep learning for natural language processing, semantic representation, natural language reasoning, machine learning, 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, internet crawler.*

RESEARCH EXPERIENCE **Research Assistant** Sept 2015 to present
Deep learning for natural language processing,
Sun Yat-Sen University
Supervisor: **Cong Liu**, Ph.D

INDUSTRY EXPERIENCE **Software Engineer** March 2015 to Oct 2015
Web developer and Crawler engineer,
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 annotate reviews from the internet.
- 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, use information extracting system to analysis products' sentiment polarity.

PROJECTS **Jtorch** github.com/sysudnlp/jtorch

- A open source Java package for deep learning, inspired by Facebook Torch7
- Supporting efficient matrix/tensor operations, outperform 5-7 times than basic matrix multiplication.
- Include most of math functions, 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...
- Use to complete some data preprocessing tasks.

Zhihu spider github.com/yoosan/zhihuspider

- Web spider for zhihu.com, using scrapy crawl user information and questions with answers. Redis for cache userlist and elasticsearch for visualization results.

Deepnlp github.com/yoosan/deepnlp

- Including deep learning in NLP tasks, mainly using torch7 and lua processing data, some implementation of academic papers.

SKILLS

Programming Languages More experience – Less experience

- Java, Ruby on Rails, Lua, Python, C/C++, Shell, Javascript, Matlab.

Systems

- Unix/Linux, VPS

Databases

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

Computing

- Spark, Hadoop

Tools

- Torch, Cuda
- LaTeX, Markdown, Vim
- Git, SVN