Yao Zhou

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RESEARCH INTERESTS

Deep learning in natural language processing, natural language reasoning, semantic analysis, machine learning, distributed and parallel computing

EDUCATION

Sun Yat-Sen University, Guangzhou, China

Master of Science., Computer Science, *Expected:* Summer 2018

- Thesis Topic: *Semantic analysis, natural language inference, question-answering, deep learning and large scale machine learning 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, computer language and web development, internet crawler.*

RESEARCH EXPERIENCE

Researcher and Assistant   Sept 2015 to present
Deep learning in 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, Tieba, 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/sysy-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 Language**   more experience - less experience
- Java, Ruby on Rails, Python, Lua, C/C++, Shell, Javascript, Matlab

Systems
- Unix/Linux, VPS

Databases
- MySQL, NoSQL

Tools
- Spark, Hadoop, Solr, ElasticSearch
- Markdown, LaTeX, Git, SVN