

FANG WANG

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EDUCATION

Georgia Institute of Technology

M.S. in Computational Science and Engineering

Sep 2018 - Dec 2019 Expected

Atlanta, GA

Peking University

B.S. in Computer Science and Technology

Sep 2013 - July 2017

Beijing, China

EXPERIENCE

ByteDance Inc.

Software Engineer Intern

Jun 2018 - Aug 2018

Beijing, China

- Worked as a backend engineer with a team to maintain and develop a consumer finance application
- Developed RESTful Web Services with Go, Redis, Kafka and used Thrift as RPC framework to provide RPC APIs for other callers
- Implemented a probability lottery module and used it to build several marketing activity modules such as lottery turntables and red envelopes
- Developed an activity template configuration system for operators to upload images, set configuration and automatically generate activity pages

Institute of Computer Science and Technology, Peking University

Research Assistant to Prof. Weiwei Sun

Sep 2017 - Feb 2018

Beijing, China

- Worked on optimization of neural dependency parsers
 - 1) Introduced high-order features to the neural transition-based parser and implemented bi-directional parsing
 - 2) Extracted second-order features and used them for maximum subgraph parsing
- Adopted syntax and dependency parsing frameworks to discourse parsing task with elementary discourse units embedded via LSTM-minus

Yuanfudao Inc.

Software Engineer Intern

Jul 2016 - Aug 2016

Beijing, China

- Implemented a P2P branch of the live engine project to test the video encoding performance under weak network
- Built weak network environment with the ATC tool and wrote scripts to launch automatic tests and collect data from RTCP packets for analysis

SELECTED PROJECTS

Two-list Transition Based Semantic Dependency Parser

Jun 2017 - July 2017

- Implemented a transition-based semantic dependency parser from scratch with C++
- Adopted two-list transition system to accommodate non-projective graph-structured representation
- Implemented a structured perceptron as classifier and exploited beam search algorithm
- Extracted lexical features and structural features derived from configurations

Corpus-Based QA System Using Chinese Wikipedia Corpus

Nov 2016 - Dec 2016

- Implemented a search engine for off-line Chinese Wiki Corpus with Inverted Index
- Parsed the natural language questions and returned candidate sentences ranked by TF-IDF features

OS Labs on Nachos

Sep 2015 - Jan 2016

- Designed strategies and implemented modules for Nachos including threads, synchronization, virtual memory, and file system (C++)

TECHNICAL STRENGTHS

Programming Languages

C/C++, Python, Go, Java, Bash, SQL