Curriculum Vitae | Yuwei Wu

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github.com/Willyoung2017

Education

Shanghai Jiao Tong University **Shanghai, China**

Computer Science, Zhiyuan College *2016-Now*

B.Sc.,ACM Honored Class, advised by Yong Yu

Freshman Year GPA: 87.54/100 RANKING: 18/48

Sophomore Year GPA: 90.04/100 RANKING: 7/41

Reaserch Interests

Natrual Language Processing, Machine Reading Comprehension, Question Answering.

Research Experience

Jul.2018-Now ***BCMI-NLP Group*** *Advised by* ***Prof. Hai Zhao***

Work & Paper:

- Participated in project: Semantic Learning with MRC
  - Built better model with SRL based on the leaderboard model: BiDAF + Self Attention + ELMo
  - Achieved an increase on scores on SQuAD1.1 dev set and SNLI compared with previous model
  - Finished a second author paper
- Participated in project: Semantically Informed Multiview Attention for MRC

- Built Semantics-aware BERT
- Achieved improvement on GLUE datasets and SNLI (current SOTA single model) and SQuAD2.0 (rank 8 in SQuAD2.0 leaderboard)
- Finished a co-author paper

- Participated in project: Attempts to Muti-Choice Task: RACE
  - Built a co-matching network based on the BERT fine-tuning framework
  - Achieved SOTA result in RACE leaderboard
- Current Work
  - Making attempts to integrate sentence-level feature using dependency parsing model into Semantics-aware BERT
  - Building personalized dialog datasets based on Reddits and more powerful response generation models

Course Projects

- MX-Compiler (in Java)
  - Compiles C-and-Java-like language to x86-64 Assembly in NASM assembly
  - Implemented Graph Coloring Register Allocation, Semantic Analysis, dead code elimination and other optimization
- Text Classification in Machine Learning Course (in Python)
  - A binary classification task on News and Media Article
  - Won the fourth place on Kaggle leaderboard
- CPU with 5-stage pipeline (in Verilog)
- Implementation of Shor Algorithm in Quantum Computation Course(in C#)
- Auto-Retoucher(ART)–A Framework for Background Replacement and Foreground adjustment
  - a group project for CV course
  - paper for this work is accepted by MVA2019

Scholarships and Honors

Merit Scholar of Zhiyuan Collage *2016-2018*

The Third Prize Scholarship of Shanghai Jiao Tong University *NOV.2017*

Meritorious Winner in Mathematical Contest in Modeling *APR.2018*

Kaiyuan Scholarship for Encouragement *NOV.2018*

Teaching Experience

Shanghai Jiao Tong University

Teaching Assistant, Computer Programming *Fall Semester, 2017*