Xuewen Chen

xuewenchen1994@gmail.com · (+86) 187-098-42158 ·

Education

University of Science and Technology (USTC), Hefei, China 2016 -- Present

Master student in Computer Science, expected June 2019
GPA: 3.56/4.3 (Top 10%)

Wuhan University of Technology (WHUT), Wuhan, China 2012 -- 2016

B.E. in Internet of Things Engineering
GPA: 4.01/5.0 (Top 1%)

Research Experience

Abstractive Text Summarization Mar. 2018 - Aug. 2018

Natural Language Processing USTC-Birmingham Joint Research Institute (UBRI), Hefei

Research on how to promote the performance of abstractive text summarization under the sequence-to-sequence framework.
We proposed a brand-new type of neural network structure to obtain a better representation of long text and exploited keyphrases to contribute to a closer semantic relevance between the source text and the generated summary.

- Outperformed the state-of-the-art systems on several datasets
- Easy to be further extended to other language generation tasks

The paper is submitted to AAAI-19, and we are looking forward to the result.

Semantic-based Information Retrieval Methods Mar. 2016 - June. 2016

Graduation Project WHUT, Wuhan

Research on how to solve the data mappting problem between the underlying features and the high-level semantic information of webpage documents in search engine.

- Utilized the transformed inverted module to establish the concept index
- Proposed storage management schemes for data in the word library and concept library
- Designed a storage structure of the concept index

Predicting the Eradiction of Ebola Feb. 2015

Mathematical Modeling COMAP, USA

As the team leader, I distributed and scheduled works to my teammates, achieving efficient cooperation. Our team, consisting of three undergraduate students, brought forward a controlled prediction model of infectious diseases and discussed how to optimize the delivery of medicine for the eradication of Ebola.

- Honorable Mention in 2015 Mathematical Contest in Modeling

Project Experience

Underground Utilities Detection Oct. 2016 - Nov. 2016

Engineer Lab Project

This project aims to detect underground infrastructure by combining physics and computer technologies.

- Implemented entity extraction for the dataset construction

Public Opinion Analysis Aug. 2016 - Sep. 2016

Engineer Lab Project, collaborated with the Ministry of Public Security

This project aims to construct a knowledge base regarding mass disturbance and terrorism in hopes of detecting crime in time.

- Did a research of knowledge base construction and wrote a thorough research report
- Performed web crawl and learned the subject similarity by employing the LDA model

Standard Tests

- GRE: V157/170 + Q166/170 + AW 4.0/6.0
- TOEFL: 101/120

Technical and Personal Skills

- Programming Languages: Python > C++ > Java
- Platform: Linux, Windows
- Machine Learning Libraries: Tensorflow, scikit-learn
- Document Preparations: LaTeX, Microsoft Office
- General Skills: Good presentation skills; Work well in a team; Can write well organised and structured reports

Honors and Awards

1st Prize, USTC Scholarship — Oct. 2018/2017/2016
3rd Prize, Award on Huawei Code Craft Competition — May. 2018
Outstanding Graduates, Wuhan University of Technology — Jun. 2016
1st Prize, National Endeavor Scholarship — Nov. 2015
Honorable Mention, Award on Mathematical Contest in Modeling — May. 2015
2nd Prize, Award on National English Competition for College Students — May. 2015/2014
1st Prize, WHUT Scholarship — Nov. 2014
Merit Student, Wuhan University of Technology — Nov. 2014
3rd Prize, Award on "Lanqiao Cup" National Software Competition — May. 2014
2nd Prize, Award on Mathematical Contest In Modeling for College Students in Central China — May. 2014
2nd Prize, WHUT Scholarship — Nov. 2013
Excellent Student Cadre, Wuhan University of Technology — Nov. 2013

Miscellaneous

- GitHub: https://github.com/shirveon
- Languages: English - Fluent, Mandarin - Native speaker, Japanese - Basic
- Certificates: H3C Certified Network Engineer
- TA Experience: Data Structure and Dataset, C++ Programming