Jingfeng Yang

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PROFESSIONAL SUMMARY

Skilled Object-Oriented Programmer. Experienced in design, implementation and integration. Proficient at natural language processing and machine leaning, from algorithms to tools. Fast self-learning and deep dive. Effective communication.

SKILLS

- C++
- C#
- Python/PyTorch/TensorFlow/Scipy/scikit-learn
- Java
- SQL
- JavaScript/Jquery/Express/html/css/xml

EDUCATION

Master of Science: Computer Science, Expected in 08/2021 **Georgia Institute of Technology** – Atlanta, GA

Bachelor of Science: Computer Science And Biological Science, Sep 2015- July 2019 **Peking University** – Beijing, China

WORK HISTORY

SDE Intern 12/2018 to 03/2019

Microsoft Software Technology Center Asia (STCA) – Beijing, China

- Used C# to develop a fast and well-performed Structured Perceptron POS tagging system as a part of Microsoft Forms.
- Used Mete-BiLSTM and Elmo to reproduce the state-of-the-art performance both in PTDB dataset and Noun-verb Dataset.

Research Intern 07/2018 to 09/2018

Institute for Language, Cognition and Computation, The University of Edinburgh – Edinburgh, UK

- Used Pytorch to implement a model composed of a tree-LSTM encoder and a three-stage coarse-to-fine decoder with attention mechanism and copying mechanism to conduct semantic parsing.
- Applied the model to generating Discourse Relation Structure Representations for Parallel Meaning Bank.
- Leveraged Universal Dependency structure information and cross-lingual word embeddings to conduct experiments in Italian, German, and Dutch while training the model using English data.

Research Intern 06/2017 to 06/2019

Institute Of Computational Linguistics, Peking University – Beijing, China

- Applied an adversarial multi-task neural network to cross-lingual Elementary Discourse Units segmentation using Tensorflow.
- Used SVM, Logistic Regression and Random Forest along with some useful features, including some specific constituency parsing tree features, to conduct English EDU segmentation.
- Developed a Fast and Accurate Elementary Discourse Units segmenter using BiLSTM-CRF, self-attention and ELMo.

PROJECT EXPERIENCE

YouKnow App | Javascript/Express 02/2018 to 06/2018

- Users with mobile phones could subscribe some websites and could be notified and the server could push useful messages to users when the subscribed website is updated. Used Express (Javascript) framework in backend and Android (Java) in frontend. Implemented real-time server push using JIGUANG.

Battle City | Java 02/2018 to 06/2018

- Implemented a fully functional game Battle City using JAVA.

PUBLICATIONS

- **Jingfeng Yang**, Federico Fancellu, Bonnie Webber. 2019. A survey of cross-lingual features for zero-shot semantic parsing. *arXiv:1908.10461*
- **Jingfeng Yang**, Sujian Li. 2018. Chinese Discourse Segmentation Using Bilingual Discourse Commonality. *arXiv:1809.01497.*
- Yizhong Wang, Sujian Li, **Jingfeng Yang**. 2018. Toward Fast and Accurate Neural Discourse Segmentation. In *2018 Empirical Methods in Natural Language Processing (EMNLP).*
- Yizhong Wang, Sujian Li, **Jingfeng Yang**, Xu Sun, Houfeng Wang. 2017. Tag-enhanced tree-structured neural networks for implicit discourse relation classification. In *The 8th International Joint Conference on Natural Language Processing* (*IJCNLP*).