

Fang Zhang

+86 155 1072 2857
thuzhf@gmail.com
thuzhf.github.io

Education

- Sept 2015 – Jul 2018 **Master of Science**, *Department of Computer Science and Technology, Tsinghua University*, China.
Doing research on Machine Learning, Data Mining, and Natural Language Processing.
Advisor: Prof. Jie Tang, Knowledge Engineering Group (KEG).
- Sept 2011 – Jul 2015 **Bachelor of Science in Engineering**, *Department of Computer Science and Technology, Tsinghua University*, China.

Experience

- Sept 2015 – Jul 2018 **Research Assistant**, *Knowledge Engineering Group (KEG), Department of Computer Science and Technology, Tsinghua University*, China.
Developed a model (named FastKATE) to fast (normally within several hundreds of milliseconds) extract top-k topics from any given area, with code, data and API published [click], and a preprint version available [click] and accepted by the 3rd IEEE International Conference on Data Science in Cyberspace (IEEE DSC'18).
- Aug 2016 – Oct 2016 **Visiting Scholar**, *Language Intelligence & Information Retrieval Lab, Department of Computer Science, KU Leuven*, Belgium.
Worked with Prof. Marie-Francine Moens on automatic keyphrase extraction from text.
- Apr 2015 – Sept 2015 **Researcher & Developer**, *Megvii (Face++)*, China.
Learned and did research on neural networks; developed some Convolutional Neural Network-based models to recognize human attributes including age and gender and evaluate face attractiveness respectively; developed an algorithm to map points from RGB photos to real world coordinates using knowledge of plane and solid geometry; learned and did research on background detection and subtraction from videos.

Publications

- Sept 2017 **Fang Zhang**, Xiaochen Wang, Jingfei Han, Jie Tang, and Shiyin Wang. **Fast Top-k Area Topics Extraction with Knowledge Base**. Accepted by the 3rd IEEE International Conference on Data Science in Cyberspace (IEEE DSC'18).

Selected Achievements

- Jul 2014 Outstanding Student Leader, Department of Computer Science and Technology at Tsinghua University.
- Nov 2010 First Prize, **Mathematical** Competition of Senior High School of China.
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Skills

Programming Languages Python, C/C++, MATLAB, Java, Go, JavaScript, Bash.