

Fang Zhang

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Education

- Sept 2015 – Jul 2018 **Master of Science**, *Department of Computer Science and Technology, Tsinghua University*, China.
Did research on Deep Learning, Machine Learning, and Data Mining.
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

- Jul 2018 – Present **Research Engineer**, *AI Group, WeBank*, China.
2020.01 – present, I do quantitative research on ETFs/Stocks trading and has implemented and backtested some strategies and a few of them get a Sharpe Ratio > 2 with volatility < 0.05 and max drawdown < 0.05 .
2018.07 – 2019.12, I did research on deep learning and developed effective and efficient OCR models on Chinese ID Card, Indonesia e-KTP Card and Motor Vehicle Register Certificate (MVRC). And among these projects, I fully led the MVRC project and our OCR model achieved the highest accuracy among competitors with similar time cost. I achieved the highest S-rank in the annual performance evaluation of 2019.
- Sept 2015 – Jul 2018 **Research Assistant**, *Knowledge Engineering Group (KEG), Department of Computer Science and Technology, Tsinghua University*, China.
Proposed a model which can fast and accurately extract top-k topics from any given area, with code, data and API [published](#), and a preprint version [available](#), and a full paper 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.
Researched and developed neural network models to do human face attractiveness rating and pedestrian attributes recognition.

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.
- Nov 2009 First Prize, **Mathematical** Competition of Senior High School of China.

Skills

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