

EDUCATION

- **Shanghai Jiao Tong University** Shanghai, China
Department of Computer Science *March. 2017 – Jul. 2018 (expected)*
 - BS in Computer Science, Technology & Engineering; GPA: **92.19/100.0**
 - Advisors: Prof. Xinbing Wang & Prof. Weinan Zhang*School of Mechanical Engineering* *Sept. 2015 – Jan. 2017*
 - Engineering Pilot Class; GPA: **88.00/100.0**
 - Good mathematics training with advanced elementary courses, including Calculus, Linear Algebra, Probability & Statistics

RESEARCH INTERESTS

- Knowledge Graph, Network Embedding, Reinforcement Learning, Natural Language Processing, Machine Learning

RESEARCH & PROJECTS

- **Acemap: Academic Map System** Oct. 2016 - Present
Core Member; supervised by Prof. Xinbing Wang
 - Develop visualizing applications for scholarly information networks and presentation approaches.
 - Implement the recommending algorithm for papers in Acemap, and present the result on website.
 - Build and maintain the server and the back-end for Acemap.
- **Academic Knowledge Graph System** Sept. 2017 - Dec. 2017
Core Member; supervised by Prof. Weinan Zhang & Prof. Xinbing Wang
 - Cleaned and inferred on a huge academic dataset with billions of records including authors, papers, institutes and so on.
 - Implement the Knowledge Graph System based on Jena framework consisting of TDB database and SPARQL engine, and present result and visualization on website.
 - Implement network and triplet embedding algorithms including TransE, ComplEX, HolE and so on to predict and enrich records.
- **Large scale academic data visualization** Apr. 2017 - June. 2017
Group Leader; supervised by Prof. Xinbing Wang
 - Visualize academic graphs with over 1 million nodes, layout of which is done using an N-body simulation. In order to simplify time complexity, Barnes-Hut algorithm is used based on quad-tree data structure.
 - Modify source codes depending on Mysql C library, Cairo 2D graphics and Gtk+ 3.
- **Linux Kernel Applications Development** Spring. 2017
Project leader
 - Get understanding of how operating system works by developing Linux Kernel applications including adding vital system calls, dumping page table and completing page replacement algorithm.
 - Score 100/100, Rank 1/143
- **Gene Classification** Fall. 2017
Project leader
 - Explore algorithms including deep forest, random forest, SVM and deep neural network with greedy layer-wise pre training on Gene-Classification task
 - Score 96/100, Rank 2/84
- **Articulated Pose Estimation Using Convolutional Pose Machines** Fall. 2017
Project leader
 - Implements idea of paper "Convolutional Pose Machines", which designs CPMs consisting of a sequence of convolutional networks for the articulated pose estimation task.
 - Score 97/100, Rank 3/47

PATENTS

- Y. Jia, Y. Huang, H. Wu, J. Li, **R. Wang**, J. Su, M. Liu, Y. Hong, J. Wang, L. Fu, X. Wang, "*Overlapping Community Detection in Temporal Text Networks*", CHN No. 107480213A

SELECTED SCHOLARSHIP & HONORS

- **SAMSUNG Scholarship Top 3%** 2017
- **Second Prize in China Undergraduate Mathematical Contest in Modeling** 2016
- **Second Prize in China Undergraduate Physics Contest** 2016
- **Third Prize in The Chinese Mathematics Competitions (CMC)** 2017
- **Merit Student of Shanghai Jiao Tong University** 2017

TEACHING EXPERIENCE

- **Teaching Assistant for EE448: Big Data Mining**