

Ziyang Jia

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EDUCATION	<i>Master of Science</i> , Computer Science Rutgers, The State University of New Jersey Will graduate in May, 2019 GPA:3.50/4.00	2017-19
	<i>Bachelor of Engineering</i> , Software Engineering University of Electronic Science and Technology of China(UESTC), Chengdu, P.R.China Graduated in June, 2016 GPA:3.78/4.00	2012-16
RESEARCH INTERESTS	Machine learning methods in general, including Bayesian modeling, forest ensemble, deep learning, as well as their applications, especially on natural language processing.	
RESEARCH EXPERIENCES	<i>Researching student</i> , Advisor: Prof. Matthew Stone Rutgers, The State University of New Jersey <ul style="list-style-type: none">Working thesis on Chinese poem generation through an disentangled attempt for the master's degree	2018 - now
	<i>Research Assistant</i> , Advisor: Dr. Yong Tang UESTC Switzerland-China Joint Research Lab <ul style="list-style-type: none">Quantitative English words learning strategies based on word network using structural and meaning informationFinger movement recognition using 3-axis acceleration sensors (major paper for bachelor's degree)	2014 - 2017
	<i>Research Assistant</i> , Advisor: Dr. Da-Yong Zhu UESTC Control Science and Intelligence System Lab <ul style="list-style-type: none">Saliency detection optimization using separating segments	Winter 2015
PUBLICATIONS	<ol style="list-style-type: none">Haiyang Wang, Ziyang Jia, and Fei Ye. Dense Adaptive Cascade Forest: A Self Adaptive Deep Ensemble for Classification Problems. <i>Soft Computing, in revision</i>, 2018.Yong Tang, Jason Xiong, Zi-Yang Jia, and Yi-Cheng Zhang. From Correlations To Eigenvalues: Mining Information From Financial Data Using Random Matrix Theory. <i>International Journal of Theoretical and Applied Finance, in revision</i>, 2018.Yong Tang, Jason Xiong, Zi-Yang Jia, and Yi-Cheng Zhang. Complexities in Financial Network Topological Dynamics: Modeling of Emerging and Developed Stock Markets. <i>Complexity</i>, 2018:31, 2018.Yue-Tian-Yi Zhao, Zi-Yang Jia, Yong Tang, Jason Xiong, and Yi-Cheng Zhang. Quantitative Learning Strategies Based on Word Networks. <i>Physica A: Statistical Mechanics and its Applications</i>, 491(0):898-911, 2017.	

ENGINEERING PROJECTS & INTERNS	<i>Patient Parameters Prediction & Contact Lens Rectification based on CNNs</i> , Mentor: Dr. Yong Tang Part-time, UESTC & Aier EYE Hospital Group.	2018-now
	<i>Rutgers University Alumnus System</i> , Mentor: Prof. Tomasz Imielinski On campus job, Rutgers University	2017-18
	<i>Data analysis projects</i> , Mentor: Dr. Hao Liu Internship, Hangzhou Suanzi Technology Co.Ltd	Fall 2016
	<i>Speech recognition application based on Baidu Deep Speech</i> , Mentor: Dr. Chong Fu Part-time, UESTC	Winter 2015
	<i>www.pkbigdata.com, a data driven competition platform in China</i> Front End Engineer & Product Manager, Shulianxunying Co.Ltd	Summer 2014
HONORS & AWARDS	Waiver for the National Postgraduate Entrance Examination(NPEE) 2015-16 University of Electronic Science and Technology of China	-top 10%
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	National Scholarship Ministry of Education of China	2014-15 -top 2%
	<i>First Prize of People</i> University of Electronic Science and Technology of China	2013-14 -top 10%
	<i>First Prize of People</i> University of Electronic Science and Technology of China	2012-13 -top 10%
RELEVANT COURSEWORK PROJECTS	<i>Deep Learning</i> 16:198:536 Implement of a Lasso Regression Classifier for a music classification task.	Spring 2018
	<i>Computer Vision</i> 16:198:534 Implement of Hough Transform for an edge detection task.	Spring 2018
	<i>Pattern Recognition</i> 16:198:535 Implement of VAE model in our teamwork project " <i>Deep Generative models for Language Modeling</i> "	Fall 2017
ACTIVITIES	<i>HackRU XII</i> 24-hour hackathon at Rutgers University	Spring 2017
	<i>Bicycling from Golmud, Qinghai Province to Lhasa, Tibet in 11 days</i> Dist: 1100km, ASL: 4000m	Summer 2014
	<i>Finished the Qinghai Lake Bicycling Tour</i> Dist: 360km, ASL: 2300m	Summer 2014