

Ya Zhu

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<u>Education</u>	<u>New York University, USA</u>	Sep. 2016 - May. 2018
	<i>Master student in Computer Science, GPA: 3.9/4.0</i>	
	<u>National Taiwan University, Taiwan</u>	Sep. 2013 - Jul. 2016
	<i>M.S. in Computer Science and Engineering, Advisor: Chih-Jen Lin</i>	
	<u>Shanghai Jiao Tong University, China</u>	Sep. 2008 - Jun. 2012
	<i>B.S. in Computer Science and Technology</i>	
<u>Experience</u>	<u>Research Student, Machine Learning and Data Mining Group, NTU</u>	Oct. 2013 - Aug. 2016
	<ul style="list-style-type: none">- Proposed a novel trust-region Newton method for linear classification and developed efficient techniques to estimate the size of Newton directions.- Our new method outperforms the other related works and significantly improves the convergence speed of the corresponding linear classifiers in the open-source tool LIBLINEAR (since version 2.11).	
	<u>Intern, HTC Corporation, Taipei, Taiwan</u>	Oct. 2014 - Jul. 2015
	<ul style="list-style-type: none">- Trained an low-power classifier for smart-phones to detect human transportation modes.- Reduced the power consumption on smart-phone by 99% (from 88.5mA to 0.73mA), while kept the classification accuracy at 92.5% by feature engineering and model selection.- Simplified the climbing activity detection by smoothing the barometer feature, reducing the feature space to one dimension and maintaining 97.5% AUC.	
	<u>Research Assistant, Dept. of Computer Science, Zhe Jiang University</u>	Sep. 2012 - Apr. 2013
	<ul style="list-style-type: none">- Devised an online warning strategy based on real-time data analysis, realizing remote control for cultivation process in an agricultural project.	
	<u>Research Student, NLP Group of Center for BCMI, SJTU</u>	Jun. 2011 - Jun. 2012
	<ul style="list-style-type: none">- Implemented an interactive question answering system which acquires knowledge and adjusts answering strategies through human feedback.-The system processes language and knowledge integrally, can grow up with very little pre-defined knowledge and NLP processing.	
	<u>Intern, UDS-SJTU Joint Research Lab for Language Technology, SJTU</u>	Sep.2011 - Apr. 2012
	<ul style="list-style-type: none">- Eliminated duplicate and near-duplicate web documents by similarity learning.- Extracted topic and opinion words from user reviews and made sentiment analysis for the comments.	
<u>Skills</u>	<u>Programming:</u> C/C++, Python, Java, MATLAB, OpenMP, MPI	
	<u>Data Science:</u> LibSVM/LibLinear, Scikit-learn, NumPy, SciPy, Matplotlib, NetworkX, igraph	
	<u>Platforms:</u> Linux/Unix, Git, SVN, Shell, Vim, Sublime, Latex, IPython/Jupyter	
	<u>Development:</u> HTML, JavaScript, MySQL, Java EE	
<u>Interests</u>	swimming, cooking, video games, ping-pong, baseball	