

YIDONG ZHOU

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Education	University of Science and Technology of China (USTC)	HEFEI, CHINA
	Candidate for a B.S. in Statistics , GPA: 3.74/4.3 (87.96/100) <ul style="list-style-type: none">• 2016 Excellent Student Scholarship (1%)• Relevant Coursework: Bayesian Analysis(99), Regression analysis(90), Complex Analysis(90), Stochastic Process(95), Operations Research(97), Mathematical Statistics(92), Algebraic Structure(91), Practical Statistical Software(R & Python)(95), Data Structure and Database(91)	<i>Aug 2015 – Present</i>
Experience	INTERIM ANALYSES USING REPEATED CONFIDENCE BANDS FOR CRTS. Research Assistant, supervised by Professor Rui Wang <ul style="list-style-type: none">• To be continued	CAMBRIDGE, MA <i>Sept 2018 – Nov 2018</i>
	IMPLEMENTATION OF RTREE, STREE AND MASAL Research Assistant, supervised by Professor Heping Zhang <ul style="list-style-type: none">• Constructed R package with Rcpp• Integrated C/C++ into R to implement Classification Trees (RTREE), Survival Analysis Trees (STREE) and Multivariate Adaptive Splines for Analysis of Longitudinal Data (MASAL) model• Programmed powerful functions in R, such as R interface function, plot function, etc.• Proposed an adaptive tree drawing algorithm which can calculate coordinates by recursive computation according to node distribution, and then arrange the position of each node in the plot	NEW HAVEN, CT <i>Jun 2018 – Sept 2018</i>
	DATA ANALYSIS FOR INVENTORY MANAGEMENT Research Assistant, supervised by Professor Yugang Yu <ul style="list-style-type: none">• Conducted case-driven survey of cross-border e-commerce to develop inventory management strategy• Performed substantial cleaning of in-situ data from a top Amazon seller and fitted data in R and Python• Used machine learning models to improve stock tracking accuracy, anticipate sales and customer traffic to forecast stock requirements	SUZHOU, CHINA <i>Dec 2017 - May 2018</i>
Leadership	TEXT EMOTION ANALYSIS BASED ON THEME Research Assistant, Supervised by Professor Qi Liu <ul style="list-style-type: none">• Preprocessed Taobao users' review data with the Chinese text segmentation package (jieba) in Python• Performed POS tagging, removed stop words and extracted text features based on the theme (price, express, etc.)• Used K-Nearest Neighbor (KNN) algorithm to classify the text	HEFEI, CHINA <i>Sept 2017 - Dec 2017</i>
	USTC COMPUTER PROGRAMMING Teaching Assistant <ul style="list-style-type: none">• Lectured to over 90 UTSC students at Q&A sessions of <i>Computer Programming A</i> for four hours per week• Managed lab guidance, graded student assignments	HEFEI, CHINA <i>Sept 2017 – Jan 2018</i>
	STUDENT UNION, MINISTER OF ACTIVITY Minister of Activity <ul style="list-style-type: none">• Led a team of 15 to draft policy memos, coordinated discussions, and finalize policy enactment• Led development and launch of a performance assessment system to improve operational excellence• Chaired monthly meetings to collect feedback from student representatives to improve the interaction between faculty and students	HEFEI, CHINA <i>Sept 2016 - Jun 2017</i>
Skills	FRESHMEN SEMINAR Research Team Leader <ul style="list-style-type: none">• Read the essay related to our research topics• Built a model about predicting global climate• Completed the essay and thesis oral defense with teammates• Got an A With the joint efforts of team members	HEFEI, CHINA <i>Sept 2015 - Jun 2016</i>
	Statistics & Computer <ul style="list-style-type: none">• Naive Bayesian Model, Decision Tree Model, Logistic Regression Model, etc.• C, R, Python, MATLAB, Microsoft Office, HTML, CSS, JavaScript, Bootstrap, PS, AE Activities <ul style="list-style-type: none">• Big Data & Computing Intelligence Contest• National College Students Mathematical Modeling Competition• Big Data Modeling Contest• "Find the next madman" Competition	