Wenjun Zhao

Personal Data

Gender:	Female
Date of Birth:	28 March 1995
Address:	Rm 320-534 East Campus USTC Hefei Anhui 230026 P.R.China
Phone:	China: +86 183 5695 8281
Email:	wj950328@mail.ustc.edu.cn
Skype:	wenjunzhao950328
Homepage:	http://home.ustc.edu.cn/~wj950328/my

Education

Aug 2012–	B.Sc of Mathematics
–June 2016	**University of Science and Technology of China**
(expected)	Department: School for the Gifted Young
	Major: Information & Computational Mathematics
	GPA (Overall):3.69/4.3 Average Score: 87.36/100
	GPA (Core Courses):3.97/4.3 Average Score: 91.10/100
July 2015–	Visiting Student
–Sept 2015	**University of Oxford**, Department of Computer Science

Honors

Sept 2015	National Scholarship for Encouragement
July 2015	Fellowship for Summer Program at the University of Oxford
Feb 2015	The Mathematical Contest in Modeling: Meritorious Winner
Sept 2014	Outstanding Student Scholarship, USTC
Oct 2013	Outstanding Volunteer of University Tennis Promotion
Sept 2013	National Scholarship for Encouragement
June 2013	Electromagnetics Class Project Contest, USTC: Gold
Aug 2012	Outstanding Freshman Scholarship, USTC: Gold

Research Interests

- Mathematical Models
  - Stochastic Processes in Application
  - Numerical Methods

Standardized Tests

GRE General: Verbal 153 Quantitative 170 Analytical Writing 3.5
TOEFL: Reading 30 Listening 28 Speaking 23 Writing 29 Total: 110
GRE Subject (Mathematics): 890 (94^{th} percentile)

Academic Experiences

July-Sept 2015 | Took part in a summer project at University of Oxford
Model Verification for Partially Observable Stochastic Hybrid System
Supervisor: Prof. Alessandro Abate
Wrote a code based on the point-based algorithm developed by Dr.Kendra Lesser in MATLAB and Java to generate a discrete model to do model verification of *Partially Observable Markov Decision Process (POMDP)* in both single-objective and multi-objective situations. Designed a GUI to guarantee the intelligence of the software which will be available online in the future.

Aug 2015 | Attended a conference at University of Oxford
New Direction In Numerical Computation

June 2015 | Conducted a class project of *Wavelet Analysis*
A Wavelet-based Image Retrieval System
Supervisor: Prof. Juyong Zhang
Made abstractions of 1000 given pictures by getting their wavelet coefficients and defining a feature vector based on these matrices with MATLAB. Analyzed the Precision-Recall (PR) curve of the results and tested the stability.

Feb-July 2015 | Worked as a teaching assistant of *Multivariable Calculus*

Feb 2015 | Participated in the Mathematical Contest in Modeling
Macro Scheduling in Face of Ebola
Set up models about spreading trends of disease, transportation methods and allocation of medicine and vaccinates in Africa with MATLAB, Mathematica and C within a team of three undergraduate students. Responsible for the allocation system and paper writing.

June 2013 | Took part in project contest of *Electromagnetics*
Numerical Method Solving the Resistance of Grid Problems
Gave numerical solutions to resistance problems about finite and infinite grids under various circumstances using circuit analysis method and programming with MATLAB and Mathematica. Studied the properties of the solution.

June 2013 | Conducted a class project of *Life Science: Brain and Cognition*
Synesthesia–the Bond between Smell and Memory
Designed experiments with control variable method to check if the bond between smell and memory exists. Analyzed the data to support the hypothesis.

Computer Skills

C, Java, MATLAB, Mathematica, LaTeX