

Jiarui Xing

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EDUCATION

Washington University in St. Louis (WUSTL)	St. Louis, MO
Master of Science in Computer Science	Aug. 2017-May 2019
GPA: 3.67/4.0; GRE: 325 (V 155, Q 170, AW 3.0)	
Beijing Normal University (BNU)	Beijing, China
Bachelor of Science in Electronic Information Science and Technology	Sep. 2013-July 2017
GPA: 86.18/100	
University of California, Santa Barbara (UCSB)	Santa Barbara, CA
School Exchange Program (No degree)	Sep. 2016-Dec. 2016
GPA: 3.60/4.0	

Publications

- Jiarui Xing, Shuxiao Wang, Zihao Zheng, “Model Construction and Quantitative Analysis of Taxi-Hailing Subsidy Scheme” [J]. American Journal of Traffic and Transportation Engineering, 2017, 2 (1): 1-5.
- Jia-Rui Xing<sup>a</sup>, Shuxiao Wang<sup>b</sup>, Zihao Zheng<sup>b\*</sup>, “Research on the Relationship between the Software Subsidy Scheme of a Taxi and the Ease of Hailing a Taxi” [C]. International Conference on Information Engineering and Communications Technology, Shanghai, 2016. DEStech Publications, Inc., 2016, 214-219.
- Zi-Hao Zheng<sup>1,a</sup>, Shu-Xiao Wang<sup>2,b</sup>, Jia-Rui Xing<sup>3,c\*</sup>, “The Complex Index System of Water Scarcity Based on the Grey Neural Network Model” [C]. International Conference on Civil, Structure, Environmental Engineering, Guangzhou, Advances in Engineering Research, 2016. Atlantis Press, 2016, 210-218.

RESEARCH EXPERIENCE

Deep-learning Based MRI Denoising (In Progress)	St. Louis, MO
WUSTL CS Master Project	08/2018-Present
<ul style="list-style-type: none"><li>The goal of this project is to reduce the scanning time of MRI techniques and retrieve clear images from noisy ones by using deep-learning-based imaging denoising techniques</li><li>Try different neural network architectures, such as U-Net and GAN, as well as different loss functions, such as weighted L2-loss and perceptual loss. Compressed sensing and unsupervised denoising methods will also be experimented if time allows</li></ul>	
Graph Representation for Text Classification	St. Louis, MO
WUSTL CS Master Project	03/2018-08/2018
<ul style="list-style-type: none"><li>Modeled text with graph to better capture multitype and longer-term dependencies in the texts</li><li>Used graph kernel, graph embedding graph convolutional network and other related techniques</li></ul>	
Virtual Fitting System Based on 3D Reconstruction	Beijing, China
Beijing Science and Technology Innovation Program	06/2014-05/2015
<ul style="list-style-type: none"><li>3D reconstruction using Kinect and OpenGL</li><li>Learned 3D modeling and studied the configuration and application of OpenGL and Kinect(建议增加项目内容描述以及具体做的工作，而不仅仅是学到了什么，获奖信息在项目奖项中有列举，这里没有必要再重复)</li></ul>	
Hand-written Chinese Character Recognition System	Beijing, China
Computer Vision Course Practice	03/2016-05/2016
<ul style="list-style-type: none"><li>Image classification using image filters and SVM classifier</li><li>Independently accomplished the project approval and route design, and implemented the code</li><li>Compiled a complete document for software development by combing Software Engineering subject (这里要表达的是什么意思?)</li></ul>	

INTERNSHIP EXPERIENCE

Chinasoft International Limited	Beijing, China
Title/PositionIntern	07/2016
<ul style="list-style-type: none"><li>Developing Developed the software part of a Linux-based embedding sensing system with Qt</li><li>Description of role, responsibilities, activities, successes, time commitment, etc. (补充实习职位、具体工作内容及成就等)</li></ul>	
Shanxi Sino-quality Credit Connectivity Information Technology Co., Ltd	Taiyuan, China
Title/PositionIntern	07/2016-09/2016
<ul style="list-style-type: none"><li>Participating Participated in the development of the special inspection institute part of the elevator Internet of Things platform using eC#、asp.net、ASP.NET and SQL Server.</li></ul>	
Title/Position	07/2016-09/2016
Description of role, responsibilities, activities, successes, time commitment, etc. (补充实习职位、具体工作内容及成就等)	

LEADERSHIP AND VOLUNTEER EXPERIENCE

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Commented [微软用户3]: Software Engineering 的课程大作业并没有在其他地方提及，所以出现在这里会有点让人费解，我觉得没有必要写了，只需要说明完成了完整的软件开发文档即可

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DOB: April 7, 1993

RESUME

Fall 2019 [Ph.D.](#) Application

[Student Union in College of Information Science and Technology](#) — [Beijing, China](#)

#### ACHIEVEMENTS/AWARDS

- |   |         |
|---|---------|
| • Excellent Intern in Chinasoft International Limited   | 07/2016 |
| • Honorable Mention in Mathematical Contest In Modeling/Interdisciplinary Contest In Modeling | 01/2016 |
| • First Prize in Contemporary Undergraduate Mathematical Contest in Modeling(CUMCM), Beijing  | 10/2015 |
| • First Prize in BNU Mathematical Modeling Contest  | 05/2015 |
| • Second Prize in “Jingshi Cup” Contest for Extracurricular Academic Technology Works, BNU    | 05/2015 |
| • Third prize in the National Youth China Adolescents Science & Technology Innovation Contest | 05/2015 |
| • Third Prize in BNU International Collegiate Programming Contest (ACM) Freshmen Contest      | 12/2013 |

#### TECHNICAL PROFICIENCIES

- Programming skills: Python, MATLAB, C++, C#, HTML and PHP
- Language proficiencies: Mandarin (native), English (proficient, [TOEFL 100](#))

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