

Hao Wen

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EDUCATION

George Washington University, School of Engineering and Applied Science

Washington, DC

Master of Science in Engineering, Computer Science

May 2017

- Relevant Coursework: Software Paradigm, Computer Architecture, Algorithm

Renmin University of China

Beijing, China

Bachelor of Science in Engineering, Computer Science and Technology

June 2015

- Renmin University ranked among the top 5 universities in China

EXPERIENCE

Multimedia Lab, Renmin University of China

Beijing, China

Lead Researcher

November 2014 – May 2015

- Developed an Android program to collect information from GPS and gravity sensors for pattern recognition and navigation indoors using Java, MATLAB and MySQL.
- Designed 8 standard paradigms of user behavior such as standing still, walking, turning, running, etc. and built database using data collected from 9 volunteers exhibiting these behaviors.
- Built 27 dimension vector features and then applied machine learning to recognize behaviors.

Lab of Economic Information System, Renmin University of China

Beijing, China

Team member

May 2013 - February 2015

- Trained in data mining software and concepts of multi-objective decisions.
- Collated expense data from people who purchased items from Jingdong, an online store, and conducted an analysis to determine the relationship between users and products as well as product relationships with other products.
- Collated expense calendar on products from sponsor and conducted simulation based on it.
- Conducted clustering and classification strategies on products using Java and Weka.
- Communicated applications and reports with members, and presented to professionals.

International Business Machines Corporation

Beijing, China

Intern

October 2013 - November 2013

- Designed a simple program data structure to imitate the company's actual database using C Language for software development in compliance with company standards.
- Coached on the company's management application software.

Contemporary Undergraduate Mathematical Contest in Modeling

Beijing, China

Team member (undergraduate group)

September 2013

- Designed a traffic flow model to predict various traffic flow situations and effective factors following a car crash.
- Simulated traffic jams using Java and VISSIM, and made tables and graphs using MATLAB and R to describe effect factors and their influences on traffic jams.
- Completed paper with two classmates providing an analysis for micro and macro models and three simulations.

LEADERSHIP

Vice President of Detective Club of Renmin University (focused on critical thinking & reasoning)

Sept 2011 – May 2014

Vice Director of Computer Association of Renmin University

Sept 2011 – May 2013

HONORS & AWARDS

Awarded First Prize, University Students' Innovation Practice of China (City Level), May 2015

National First Prize, Contemporary Mathematical Contest in Modeling (Top 1%), September 2013

First Class Scholarship, Awarded by Sa Shixuan Fund (Top 5%), December 2013

SKILLS

Programming Language: Java, C, C++, MATLAB, SQL, Erlang, Scala, Python

Applications: Microsoft Office Sets, MySQL, Microsoft Visual Studio, Eclipse, Adobe Photoshop, Corel VideoStudio

Operating Systems: Linux, Windows

Language: Fluent in Chinese, Proficient in English