

Mengdi Wang

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EDUCATION

University of Pittsburgh, Pittsburgh, PA, USA

- Doctor of Philosophy (Ph.D.) in Intelligent Systems Program Sep 2014 – present

Duke University, Durham, NC, USA

- Master in Electrical and Computer Engineering Sep 2012 – May 2014

Anhui University of Technology (AUT), Anhui, China

- Bachelor in Communication Engineering Sep 2008 – Jun 2012
 - Graduated with College Honors.

RESEARCH EXPERIENCE

The PITT Computational Social Science Lab, **University of Pittsburgh**

- Research Assistant Sep 2014 – present

Matrix Factorization and Its Application in Topic Modeling and Rating Prediction, **Duke University**

- Propose a matrix factorization method, which is general enough to be used for topic modeling and rating prediction Sep 2013 – Dec 2013

Simulator generating failures in Data center, **Duke University**

- Build simulator to analyze failures in Data center (java) Sep 2013 – Dec 2013

Estimation of Direction of Arrival for Coherent and Un-Coherent Signal based on Uniform Circular Array – Graduation Design **AUT** Feb 2012 – Jun 2012

Direction of Arrival Estimation for Related Wideband Signals **Jilin University**

- Conducted research on new algorithm and improved current algorithm Jun 2011 – Sep 2011

TEACHING EXPERIENCE

INFSCI 2160 Data Mining, **University of Pittsburgh**

- Teaching Assistant. (Give several lectures.) Sep 2016 – present

PUBLICATIONS

CONFERENCES

- [1] Mengdi Wang and Yu-Ru Lin “Link Prediction via Multi-Hashing Framework,” in *Proceedings of International Conference on Social Computing, Behavioral-Cultural Modeling, & Prediction and Behavior Representation in Modeling and Simulation*, Washington DC, USA, Jul 2016.
- [2] Di Jin, Mengdi Wang and Yu-Ru Lin, “TELELINK: Link Prediction in Social Network Based on Multiplex Cohesive Structures,” in *Proceedings of International Conference on Social Computing, Behavioral-Cultural Modeling, & Prediction and Behavior Representation in Modeling and Simulation*, Washington DC, USA, Jul 2016.
- [3] Wang Peizhen, Chen Ping, Zhang Dailin and Wang Mengdi, “An Epipolar Rectification Algorithm for Uncalibrated Images,” in *Proceedings of Applied Mechanics and Materials*, Jul 2012.

ACADEMIC AWARDS

- Kenneth P. Dietrich School of Arts and Sciences Predoctoral Fellowships (University of Pittsburgh) 2014 – 2016
- Excellent Graduation Project (AUT) Jun 2012
- Outstanding Graduate (AUT) May 2012
- First-class Scholarship (AUT) Sep 2011
- Shanghai Alumni Scholarship (AUT Alumni Association) Sep 2010
- Top-grade Scholarship (AUT) Sep 2010
- First-class Scholarship (AUT) Sep 2009

**CAMPUS
ACTIVITIES**

Intelligent Systems Program (ISP), University of Pittsburgh

- A&S GSO Representative

Sep 2016 – present

Chinese Students and Scholars Association, University of Pittsburgh

- Vice President

Jun 2015 – present

Jasmine Dancing Club, Duke University

- Vice President

Aug 2012 – Apr 2014

Student Union, AUT

- Vice President

Sep 2010 – Sep 2011

Department of Organization, Student Union, AUT

- President

Sep 2009 – Sep 2010

SKILLS

Java, R, Python, MATLAB \LaTeX ,