

Jianpeng Xu

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CV updated on February 15, 2015.

EDUCATION

Ph.d Student, Computer Science and Engineering, Michigan State University (MSU)
Fall 2011 - Summer 2016 (expected) **Advisor**: Pang-Ning Tan
M.S Degree, Computer Science, Harbin Institute of Technology (HIT), China
Fall 2007 - Spring 2010
B.S Degree, Computer Science, Shandong University (SDU), China
Fall 2003 - Spring 2007

EXPERIENCE

Research Assistant	MSU East Lansing, MI	Fall 2013-Present
Multi-task Learning/Ensemble forecasting/Downscaling. Supported by NOAA Climate Program office through grant NA12OAR4310081 and NASA Terrestrial Hydrology Program through grant NNX13AI44G.		
Intern Data Scientist	Samsung Research America San Jose, CA	Summer 2014
Analysis on user behavior and user demographics using smart TV watching records.		
Teaching Assistant	MSU East Lansing, MI	Spring 2013
Teaching Assistant for the course Computational Techniques for Large-Scale Data Analysis (CSE491/891).		
Intern Software Engineer	Narus Inc Sunnyvale, CA	Summers 2012
Develop methods to detect malicious endpoints using data mining techniques.		
Research Assistant	MSU East Lansing, MI	Fall 2011-Fall 2012
Algorithms for Forest Cover Change Detection using MODIS Data		

PUBLICATIONS

- **Jianpeng Xu**, Jiayu Zhou and Pang-Ning Tan. Formula: FactORized Multi-task LeArning for task discovery in personalized medical models. To appear in SDM, 2015
- **Jianpeng Xu**, Pang-Ning Tan and Lifeng Luo. ORION: Online Regularized multi-task regression and its application to ensemble forecasting. ICDM 2014, pages 1061-1066, Shenzhen, China, December 14-17, 2014
- **Jianpeng Xu** and Shufan Ji. HDminer: Efficient Mining of High Dimensional Frequent Closed Patterns from Dense Data and Its Application. ICDM workshop (ICDMW 2014) on Scalable Data Analytics: Theory and Applications, pages 1061-1067, Shenzhen, China, December 14-17, 2014
- Lei Liu, Sabyasachi Saha, Ruben Torres, **Jianpeng Xu**, Pang-Ning Tan, Antonio Nucci, Marco Mellia, Detecting Malicious Clients in ISP Networks Using HTTP Connectivity Graph and Flow Information, IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM2014), August 17 - August 20, 2014, Beijing, China.

PATENT

- Sabyasachi Saha, Lei Liu, Ruben Torres, **Jianpeng Xu**, Antonio Nucci, Detecting Malicious Endpoints Using Network Connectivity and Flow Information, US8813236 B1, Aug 19, 2014

HONORS AND AWARDS

Student Travel Award, ICDM 2014

Student Travel Award, MSU Graduate School, 2014

Graduate Assistant Support from Michigan State University, Fall 2011-Present

Scholarships for outstanding students, HIT, Fall 2007-Spring 2010

Scholarships for outstanding students, SDU, Fall 2004, 2006

Honorable mentioned in Mathematical Contest in Modeling (MCM), 2006

SERVICES

- PC Member for MLRec 2015, in conjunction with SDM 2015
- Reviewer for CIKM2014, DSAA2014, ICDM2014, SDM2015, WSDM2015

PROGRAMMING SKILLS

Software Developments: C/C++, Java, C#, Matlab, SQL

- Class Demo for Shortest Path Algorithms and Minimum Spanning Tree Algorithms in C#
- 3D magic cube game in Java
- Online Gobang game in Java
- Network sniffing software in Java using jpcap
- Scientific computing in C/C++, Matlab, etc.

Web Developments: Perl, PHP, AJAX, Javascript, HTML, XML

Big Data Analysis: Hadoop, Hive, Pig, Mahout

COURSES(GRADUATE LEVEL)

Data Mining (CSE881), Machine Learning (CSE847), Design & Theory of Algorithms (CSE830), Pattern Recognition & Analysis (CSE802), Theory of Prob & Stat (STT861 & STT862), Computer Vision (CSE803)

REFERENCES ARE AVAILABLE UPON REQUEST