

Zeyao (Patrick) Yang

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EDUCATION	Indiana University Bloomington , IN, USA. 2013.8 - present Ph.D. Program in Computer Science, School of Informatics and Computing, GPA:3.87/4.00. Jilin University , Jilin, China. 2009.9 - 2013.6 B.S. in Computer Science, College of Computer Science and Technology, GPA:87.53/100. Dissertation: Link Prediction Algorithm Basing on Differentiated Common Neighbors
RESEARCH EXPERIENCE	Relation between Sentiment and Information Diffusion 2014.6 - present Indiana University Bloomington <ul style="list-style-type: none">Analyzed millions of tweets using Python, and found correlation between sentiment in tweets and the amount of retweets and favorites.Reconstructed users' home timeline using Twitter API, and found people tend to publish tweets with certain sentiments when their followings have published more tweets with the same sentiments. Similarity Evaluation of Concept Maps 2014.1 - 2014.5 Indiana University Bloomington <ul style="list-style-type: none">Analyzed importance of each concept in concept map using the topology of concept map.Evaluated similarity between two concept maps by importance of concepts. Research Assistant 2012.9 - 2013.4 Key Laboratory of Symbolic Computation and Knowledge Engineering of Ministry of Education, Jilin University <ul style="list-style-type: none">Employed the Markov Chain to converge networks to equilibrium.Evaluated importance of each node in networks using entropy. National Undergraduate Innovation Experiment Program 2011.5 - 2012.9 Jilin University <ul style="list-style-type: none">Implemented and Revised three similarity-based Link Prediction methods using C++, fully utilizing weight information in networks.Proposed a new Link Prediction method by combining three revised methods, achieving higher accuracy.Defined a filter to delete spurious links before link prediction.
PUBLICATION	Zeyao Yang , Damou Fu, et al. Link Prediction Based on Weighted Networks. In AsiaSim 2012, pp. 119-126. Springer Berlin Heidelberg, 2012.
WORK EXPERIENCE	Research Assistant 2014.8-present Center for Complex Networks and Systems Research, School of Informatics and Computing, Indiana University Bloomington Associate Instructor 2013.9-2014.6 CSCI A110: Introduction to Computers and Computing, School of Informatics and Computing, Indiana University Bloomington
AWARDS	The Second Prize Scholarship, Jilin University. 2011-2012 Outstanding Student Award, College of Computer Science and Technology. 2011-2012 First Prize, JLU Undergraduate Innovation Experiment Program. 2011.5 The First Prize Scholarship, Jilin University. 2010-2011 Outstanding Student Award, College of Computer Science and Technology. 2010-2011 Second Prize, Mathematical Modeling Contest in Jilin Province. 2010.10 The First Prize Scholarship, Jilin University. 2009-2010 Outstanding Student Award, Jilin University. 2009-2010