

## Zeyao (Patrick) Yang

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EDUCATION	<b>Indiana University Bloomington</b> , IN, USA. 2013.8 - present Ph.D. Program in Computer Science, School of Informatics and Computing, GPA:3.87/4.00. <b>Jilin University</b> , 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	<b>Relation between Sentiment and Information Diffusion</b> 2014.6 - present Indiana University Bloomington <ul style="list-style-type: none"><li>Analyzed millions of tweets using Python, and found correlation between sentiment in tweets and the amount of retweets and favorites.</li><li>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.</li></ul> <b>Similarity Evaluation of Concept Maps</b> 2014.1 - 2014.5 Indiana University Bloomington <ul style="list-style-type: none"><li>Analyzed importance of each concept in concept map using the topology of concept map.</li><li>Evaluated similarity between two concept maps by importance of concepts.</li></ul> <b>Research Assistant</b> 2012.9 - 2013.4 Key Laboratory of Symbolic Computation and Knowledge Engineering of Ministry of Education, Jilin University <ul style="list-style-type: none"><li>Designed a way to evaluate the importance of each neighbor using link density, and improved the accuracy of common neighbor algorithm by 25%.</li><li>Employed the Markov Chain to converge networks to equilibrium.</li></ul> <b>National Undergraduate Innovation Experiment Program</b> 2011.5 - 2012.9 Jilin University <ul style="list-style-type: none"><li>Implemented and Revised three similarity-based Link Prediction methods using C++, fully utilizing weight information in networks.</li><li>Proposed a new Link Prediction method by combining three revised methods, achieving higher accuracy.</li><li>Defined a filter to delete spurious links before link prediction.</li></ul>
PUBLICATION	<b>Zeyao Yang</b> , Damou Fu, et al. Link Prediction Based on Weighted Networks. In AsiaSim 2012, pp. 119-126. Springer Berlin Heidelberg, 2012.
WORK EXPERIENCE	<b>Research Assistant</b> 2014.8-present Center for Complex Networks and Systems Research, School of Informatics and Computing (SoIC), Indiana University Bloomington (IUB) <b>Associate Instructor</b> 2013.9-2014.6 CSCI A110: Introduction to Computers and Computing, SoIC, IUB
AWARDS	The Second Prize Scholarship, Jilin University. 2011-2012 Outstanding Student Award, College of Computer Science and Technology. 2011-2012 First Prize, National 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