

Ngot Bui

CONTACT INFORMATION	311B IST Building College of Information Sciences and Technology The Pennsylvania State University University Park, PA 16802 USA
RESEARCH INTERESTS	Machine Learning, Data Mining, Social Network Analysis, Sentiment Analysis, and Bioinformatics.
EDUCATION	The Pennsylvania State University , State College, Pennsylvania USA Ph.D., Information Sciences and Technology Spring, 2016 KyungHee University , Suwon, South Korea M.E., Computer Engineering Feb 2008 University of Technology , HCM City, Vietnam B.E., Computer Engineering Apr 2004
RESEARCH EXPERIENCE	Research Assistant at College of Information Sciences and Technology, Penn State University Aug, 2013 - present <ul style="list-style-type: none">• Learning predictive models from heterogeneous network data to label actors in social network and social media• Temporal causality analysis on Sentiment Dynamics of actors in social media Research Assistant (while being a Graduate Student) at Department of Computer Science, Iowa State University May, 2011 - Aug, 2013 <ul style="list-style-type: none">• Learn predictive models from partially specified data, learning from alternately structured data (e.g., sequences, text, graphs).
WORKING EXPERIENCE	Software Engineer Intern , Google, Mountain View, California, USA May, 2015 - Aug, 2015 <ul style="list-style-type: none">• Build and Evaluate Predictive Model for Predicting Similar Users in Mobile Ads Software Engineer Intern , Google, Mountain View, California, USA May, 2014 - Aug, 2014 <ul style="list-style-type: none">• Enhance the performance of Payments Analytics Data Warehouse Senior Software Engineer , Saltlux Inc., Seoul, South Korea Aug, 2008 - Jul, 2009 <ul style="list-style-type: none">• Search Engine Core component: Implement the core component which are used for parsing, indexing, feature extraction, name entity extraction, and clustering documents.• Parallel Ranking Web Links: Design Parallel PageRank algorithm for ranking and filtering blog links. Software Engineer , Polliwog Corp., Seongnam-si, South Korea Nov, 2006 - Aug, 2008 <ul style="list-style-type: none">• Auto Routing Algorithms for Printed Circuit Boards (PCB): Implement a simple auto path finding in Printed Circuit Boards.• Geometry Operation and Display Packages for PCB: Develop Geometry Operation and Display (postscript conversion, electronic board component displaying) packages for Electronic Design Automation Software. Software Developer , TMA Solutions, HCM City, Vietnam Feb, 2004 - Sep, 2004 <ul style="list-style-type: none">• Implement a component for VitalNet Product of Lucent Technologies and administrate the Solaris System for Vital Suite Group.

TEACHING EXPERIENCE	<p>Graduate Teaching Assistant, Info. Sciences Tech., Penn State University Aug, 2014 - Present Grade programming projects, exercises, exams and hold office hours for class Principles of Machine Learning (IST 597K) and Organization of Data (IST 210).</p> <p>Graduate Teaching Assistant, Computer Science, Iowa State University Sep, 2009 - May, 2011 Grade programming projects, exercises, exams and hold office hours for class Advanced Programming Techniques in C/C++ (ComS 229) in three semesters and for class Applied Computer Programming (ComS 107) in one semester.</p> <p>Instructor, Information Tech., Ton Duc Thang University, Vietnam Nov, 2004 - Feb, 2006 Teach the following classes: C/C++ programming; Computer Structure and Assembly Language; Databases, Unix Programming.</p>
PUBLICATIONS	<p>Ngot Bui and Vasant Honavar, <i>Temporal Causality of Sentiment Dynamics in a Cancer Survivor Network</i>. IEEE Transactions on Computational Social Systems. <i>Submitted</i>.</p> <p>Harris Lin, Ngot Bui, and Vasant Honavar, <i>Learning Classifiers from Remote RDF Data Stores Augmented with RDFS Subclass Hierarchies</i>. BigGraphs 2015 Workshop at Big Data Conference. <i>To appear</i>.</p> <p>Ngot Bui and Vasant Honavar, <i>Temporal Causality of Social Support in an Online Community for Cancer Survivors</i>. The 2015 International Social Computing, Behavioral Modeling and Prediction Conference (SBP15), UCDC Center, Washington DC, USA, pages 13-23.</p> <p>Ngot Bui and Vasant Honavar, <i>Labeling Actors in Social Networks using a Heterogeneous Graph Kernel</i>. The 2014 International Social Computing, Behavioral Modeling and Prediction Conference (SBP14), UCDC Center, Washington DC, USA, page 27-34.</p> <p>Ngot Bui and Vasant Honavar, <i>On the Utility of Abstraction in Labeling Actors in Social Networks</i>. IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM13). Niagara Falls, Canada, August, 2013, pages 692-698.</p> <p>Harris T. Lin, Sanghack Lee, Ngot Bui, Vasant Honavar, <i>Learning Classifiers from Distributional Data</i>. IEEE International Congress on BigData, 2013, California, USA, pages 302-309.</p> <p>Neeraj Koul, Ngot Bui, Vasant Honavar, <i>Scalable, Updatable Predictive Models for Sequence Data</i>. IEEE International Conference on Bioinformatics Biomedicine, Hong Kong, 2010, pages 681-685.</p> <p>Ngot Bui, Young-Tack Park, TaeChoong Chung, <i>A Scalable Framework for Distributed Ontologies</i>, KES International Symposium on Agent and Multi-Agent Systems: Technologies and Applications, Korea Mar, 2008, LNCS, pages 242-251.</p> <p>Ngot Bui, S. Lee, T. Chung, <i>Query Distributed Ontology over Grid Environment</i>. International Conference on Computational Science and Its Applications, Malaysia Aug, 2007, LNCS, pages 140-153.</p>
HONORS AND AWARDS	<p>The Pennsylvania State University Predoctoral Fellowship, 2013 - Present. Korean Government Scholarship for International IT Students, 2006 - 2008. Korean President Scholarship, 2006 - 2008.</p>
COMPUTER SKILLS	<ul style="list-style-type: none"> • Google Technologies : Pipeline Processing, Big Data Processing, Machine Learning • Programming Languages: C/C++, Java, MPI in C/C++, Matlab, R (Statistics).