Ying-Chun Lin

Personal Data

Occupation:	First-year PhD Student, CS, Purdue
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Objectives

My research interests are in data mining and machine learning, specifically generative models, statistical inference in graphs, and recommeder systems. I am fascinated by how to find the valuable knowledge from the abundance of data and further improve people's life. I recently focus on how to filter the information around us and help us to make better choices. My research has three perspectives: (1) developing new mining algorithms to extract valuable information from data, (2) designing recommending algorithms for different application to help people make better decisions, and (3) proposing novel learning models to come up with better strategies to solve a real-world problem. I have paid a lot of efforts in the three folds for the past few years.

Work Experience

Jul 2017 Sep 2016	Research Assistant **Academia Sinica**, Taiwan Working on a research problem related to Spatial Query, algorithm design, and computational theory with Prof. De-Nian Yang (research fellow in Academia Sinica) Writing the proposal of a 5-year research project
Aug 2015 Jul 2015	Intern of Software engineering / Search Team **Yahoo**, Taiwan Worked for a project "Search Nearby" in which the search result is adjusted according to the ephemeral needs and location of users
Jan 2014 Aug 2013	Research Assistant **National Cheng-Kung University**, Taiwan Studied the topic of how to disseminate messages via mobile P2P network Implemented and maintained the website of PAKDD 2014

Projects

Dec 2016 Feb 2016	**Slice Technologies Inc.**, CA, USA Worked on a research topic "Monetary Discount Strategies for Real-Time Promotion Campaign"
Dec 2014 Jul 2014	**Industrial Technology Research Institute**, Taiwan Worked on a research topic "An Efficient Algorithm for On-Shelf Sequential Pattern Mining"

Awards & Fellowship

Mar 2017	**Recipient of a Ross Fellowship** Purdue Graduate School
Feb 2015	**Award of Excellence in the TSMC Big Data Competition** Big Data Analytics for Semiconductor Manufacturing

Education

Present Aug 2017	Ph.D. in Computer Science **Purdue University**, USA Advisor: Prof. Jennifer Neville
Jun 2016 Feb 2014	Master of Science in Computer Science **National Cheng Kung University**, Taiwan (R.O.C.) Thesis: "Towards Click-Refreshing Recommendation with Instant User Intent" Advisor: Prof. Kun-Ta Chuang and Prof. Vincent S. Tseng Gpa: 91.12/100
Jun 2013 Sep 2009	Bachelor of Science in Electrical Engineering **National Cheng Kung University**, Taiwan (R.O.C.) Gpa: 3.71/4.0
Fall 2012	Exchange Semester in Electrical Engineering **Auburn University**, Auburn, Alabama Gpa: 4.0/4.0

Publications

Apr 2017	**Ying-Chun Lin**, Chi-Hsuan Huang, Chu-Cheng Hsieh, Yu-Chen Shu, Kun-Ta Chuang, Monetary Discount Strategies for Real-Time Promotion Campaign, In *Proceedings of the 26th International Conference on World Wide Web* (accepted by WWW '17)
Oct 2016	**Ying-Chun Lin**, Po-An Yang, Yen-Kuan Lee, Kun-Ta Chuang, Generation of Conceptual-Level Text Cloud with Graph Diffusion, In *Proceedings of 28th Conference on Computational Linguistics and Speech Processing* (ROCLING '16)
May 2015	**Ying-Chun Lin**, Cheng-Wei Wu, Vincent S. Tseng, Mining High Utility Itemsets in Big Data, In *Proceedings of the International Pacific-Asia Conference on Knowledge Discovery and Data Mining*, pp.649 - 661. (PAKDD '15)

Languages

Chinese:	Mother-tongue
English:	Professional

Key Skills

Programming Language:	Java, C, C++, PHP, MATLAB, Python, R
Web Programming:	html, css, jQuery
Other:	git, LaTeX