YI CHIN, PAN

/* Work hard. Play hard. Dream big. */

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Experience

Gopomo inc. **Front-end Developer.** *Toronto, Canada (Remote)* - Dec. 2015 - Present
Cooperate with UX designer & Visual designer & back-end engineer to build an iOS App with react-native.

Yahoo! Software Engineer. *Taipei, Taiwan* - Oct. 2012 - Apr. 2015
Mainly in charge of Yahoo! Answers and Knowledge Plus : developed new features (like trending question module, display advertisement), enhanced SEO, developed mobile web, processed massive data on the grid platform, developed restful API, developed localization for 21 countries, optimized web performance, migrated data.
Supported Yahoo! Search : end-to-end developed Answers Direct Display in Yahoo! Search Result Pages.

NCHC Software Engineer Intern. *Hsinchu, Taiwan* - Jan. 2011 - Jun. 2012
NCHC (National Center for High-Performance Computing, Taiwan) is a national-level research laboratory in Taiwan. I helped develop a tool that can automatically and periodically retrieve data from a bunch of biology and chemistry files, then exported data to excel files. Also developed a web platform for the cloud storage service of NCHC.

Teaching Assistant. Hsinchu, Taiwan - Jan. 2011 - Jan. 2012
Computer Science and Information Engineering
I was the TA of Database, Data Mining, Cloud Computing courses. I was instructed to introduce Hadoop, MapReduce, HBase and Hive in Data Mining and Cloud Computing course (both classes have over 60 students). Slides.

Education

Pratt Institute, New York City, USA. Sep. 2015 - Apr. 2016
SCPS' Digital Design certificates Program : Web Design & Data Visual Design.

National Chiao Tung University. *Hsinchu, Taiwan.* Aug. 2010 - Aug. 2012
Computer Science and Information Engineering, Master Degree. GPA : 4.0

National Central University. *Zhongyi, Taiwan.* Sep. 2007 - Jun. 2010
Computer Science and Information Engineering, Bachelor Degree. GPA : 3.6

Skills

Javascript (jQuery), Node.js, Python, PHP, HTML5, CSS (sass)
MySQL, MongoDB, Git (Github), Data Mining, Data Processing.

Publication

Y.-T. Hsu, **Y.-C. Pan**, L.-Y. Wei, W.-C. Peng and W.-C. Lee, "**Key Formulation Schemes for Spatial Index in Cloud Data Managements**", Proceedings of the 13th IEEE Conference on Mobile Data Management (**MDM**), *Bengaluru, India*, July 23-26, 2012. pdf download

Z.-X. Liao, **Y.-C. Pan,** P.-R. Lei and W.-C. Peng, "**On Mining Mobile Apps Usage Behavior for Predicting Apps Usages in Smartphones**", Proceedings of the ACM 22nd International Conference on Information and Knowledge Management (**ACM CIKM**), *San Francisco, CA, USA,* Oct. 26 - Nov. 1, 2013. pdf download

Projects

HTC : App Prediction on Mobile, 2011 - 2012
Due to the proliferation of mobile applications, abbreviated as App, on mobile devices, user can download and execute many Apps to facilitate their life. With a large amount of App usage logs, we intend to explore the App usage behavior of users. Mining Apps usage behavior could be used in predicting App usage intentions, analyzing user behavior, and optimizing power usage in mobile devices.

NSC : Spatial Index on Cloud Data Management, 2010 - 2011
We proposed a key formulation schemes in cloud data management (HBase & Cassandra) for spatial index. We implemented a R+tree-like index for accessing large-scale data and providing multi- dimensional query.

Honers & Awards

Paper Accepted by **2013 ACM CIKM** conference. (Full paper accepted rate is 17.5%)

Paper Accepted by **2012 IEEE MDM** conference.

Great Achievement Prize Winner in 2011 Telecom Innovation & Application Contest, Chunghwa Telecom, Taiwan.

Third prize in 2010 Network Communication Software and Creative Application Contest, Ministry of Education, Taiwan.

Certifications

Coursera: **Data Visualization**
University of Illinois at Urbana-Champaign
Grade Achieved: 90.2%

Coursera: **Pattern Discovery in Data Mining**
University of Illinois at Urbana-Champaign
Grade Achieved: 91.0%

Languages

Chinese : Native or bilingual proficiency

English : Professional working proficiency
- **TOEFL score: 93 (S 23, W 21, R 25, L 23)**