Yongjoo Park

http://yongjoopark.com
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INTERESTS

My research interests lie in **big data processing** and its applications to **data mining**. In particular, I focus on building *smarter* and *faster* big data analysis systems by leveraging advanced machine learning and statistical techniques. My systems are applied to various problems, such as real-time data analytics, data visualizations, search in high-dimensional space, etc., for which harnessing big data is of great practical importance, but at the same time, brings novel challenges.

EDUCATION

University of Michigan, Ann Arbor 2016
Ph.D. Candidate, Computer Science and Engineering
Advisors: Michael Cafarella and Barzan Mozafari

University of Michigan, Ann Arbor 2013
Masters in Computer Science and Engineering
CGPA: 3.955/4.0

Seoul National University, Korea 2009
BS in Electrical Engineering

AWARDS

Graduate study (for PhD) scholarship 2013
Kwanjeong Educational Foundation
- The largest scholarship foundation in Korea

Graduate study (for Masters) scholarship 2011
Jeongsong Cultural Foundation
- One of eights students awarded in the same year

National Science Scholarship 2004
Korea Student Aid Foundation (funded by Korea government)

PUBLICATIONS

Yongjoo Park, Amhad Shahab Tajik, Michael Cafarella, Barzan Mozafari
Database Learning: Toward a Database System that Becomes Smarter Over Time
In submission to PVLDB 2016

Yongjoo Park, Michael Cafarella, Barzan Mozafari
Visualization-Aware Sampling for Very Large Databases
ICDE 2016

Yongjoo Park, Michael Cafarella, Barzan Mozafari
Neighbor-Sensitive Hashing
PVLDB 2016

Michael Anderson, Dolan Antenucci, Victor Bittorf, Matthew Burgess, Michael Cafarella, Arun Kumar, Feng Niu, Yongjoo Park, Christopher Ré, Ce Zhang
Brainwash: A Data System for Feature Engineering
CIDR 2013

OTHER TALKS

Yongjoo Park, Amhad Shahab Tajik, Michael Cafarella, Barzan Mozafari
Database Learning: Toward a Database System that Becomes Smarter Over Time
North East Database Day (NEDB) 2016, Oral, MIT

Yongjoo Park, Michael Cafarella, Barzan Mozafari

Neighbor-Sensitive Hashing
3rd Workshop on Web-scale Vision and Social Media (VSM) at ICCV 2015
Extended Abstract

TEACHING EXPERIENCE

EECS 485 Web Databases and Information Systems ‘12 Winter

- Graduate Student Instructor, University of Msichigan, Ann Arbor
- Designed programming assignments (interactive web using JavaScript, and PageRank computation of Wikipedia pages using Hadoop)
- Taught 100 students in weekly discussion sections

WORK EXPERIENCE

Software Engineer Internship, Amazon.com, Seattle ‘14 Summer

- Working in a Web team, I developed a data center capacity prediction system.

Software Engineer (Full-time), Webcash, Seoul 2009 - 2011

- Internet-banking project with J.P. Morgan Honsgkong
- Financial iPhone application developments

Research Assistant, System Electronics Lab 2007
Seoul National University, Seoul

- Developed a power-efficient vehicle entertainment system that runs on embedded-processors (ARM)

SERVICE

External reviewers for VLDBJ’16, VLDB’16, VLDB’15, SIGMOD’16, ICDE’15, CIDR’15

Organizers of University of Michigan DB Group meetings (’16, ’14) and MIDAS (Michigan Data Science) seminars (’14)