Yudian Zheng

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Educations

2013/09–2017/09	**Ph.D. in Computer Science**, *The University of Hong Kong*, Hong Kong.
2008/09–2013/06	**B.Eng. in Software Institute**, *Nanjing University*, China.

Research Interests

Crowdsourcing, Data Cleaning, Data Mining.

Internships

2016/10–2017/01 **Research Intern**, *Google Research (NYC)*, Structured Data Group, NY, US.
- Recommending News Articles on Controversial Topics.
  Supervisor: Dr. Cong Yu.

2016/05–2016/08 **Research Intern**, *Microsoft Research (Redmond)*, DMX Group, WA, US.
- Data Transformation Project.
  Supervisor: Dr. Yeye He.

2015/07–2015/10
2013/03–2013/07 **Research Intern**, *Tsinghua University*, Database Group, Beijing, China.
- Truth Inference and Task Assignment in Crowdsourcing Project.
  Supervisors: Dr. Jiannan Wang (now in SFU) and Dr. Guoliang Li.

2012/09–2013/03 **Research Intern**, *Nanjing University*, LAMDA Group, Nanjing, China.
- Analyzing Boosting Methods.
  Supervisors: Dr. Yang Yu and Prof. Zhihua Zhou.

2012/07–2012/08 **Data Mining Intern**, *Baidu Company*, Tieba Group, Beijing, China.
- Develop an Anti-Spam System in Baidu Tieba, the Biggest Chinese Community.

Selected Publications

SIGMOD 2017 **Crowdsourced Data Management: Overview and Challenges. (3-Hour Tutorial)**.
Guoliang Li, Yudian Zheng, Ju Fan, Jiannan Wang, Reynold Cheng.

SIGMOD 2017 **CDB: Optimizing Queries with Crowd-Based Selections and Joins. (Full)**.
Guoliang Li, Chengliang Chai, Xueping Weng, Ju Fan, Jian Li, Yudian Zheng, Yuanbing Li, Xiang Yu, Xiaohang Zhang, Haitao Yuan.

VLDB 2017 **Truth Inference in Crowdsourcing: Is the Problem Solved? (Full)**.
Yudian Zheng, Guoliang Li, Yuanbing Li, Caihua Shan, Reynold Cheng.

ICDE 2017 **Crowdsourced Data Management: A Survey. (Extended Abstract)**.
Guoliang Li, Jiannan Wang, Yudian Zheng, Michael J. Franklin.

WWW 2017 **Semi-supervised Clustering in Attributed Heterogeneous Information Networks. (Full)**.
Xiang Li, Yao Wu, Martin, Ester, Ben Kao, Xin Wang, Yudian Zheng.

VLDB 2016	**DOCS: A Domain-Aware Crowdsourcing System. (Full)**. Yudian Zheng, Guoliang Li, Reynold Cheng.
TKDE 2016	**Crowdsourced Data Management: A Survey. (Full)**. Guoliang Li, Jiannan Wang, Yudian Zheng, Michael J. Franklin.
ICDE 2016	**Crowdsourced POI Labelling: Location-Aware Result Inference and Task Assignment. (Full)**. Huiqi Hu, Yudian Zheng, Zhifeng Bao, Guoliang Li, Jianhua Feng, Reynold Cheng.
KDD 2016	**Meta Structure: Computing Relevance in Large Heterogeneous Information Networks. (Full)**. Zhipeng Huang, Yudian Zheng, Reynold Cheng,Yizhou Sun,Nikos Mamoulis,Xiang Li.
CIKM 2016	**On Transductive Classification in Heterogeneous Information Networks. (Full)**. Xiang Li, Ben Kao, Yudian Zheng, Zhipeng Huang.
CIKM 2016	**KB-Enabled Query Recommendation for Long-Tail Queries. (Extended Short)**. Zhipeng Huang, Bogdan Cautis, Reynold Cheng, Yudian Zheng.
SIGMOD 2015	**QASCA: A Quality-Aware Task Assignment System for Crowdsourcing Applications. (Full)**. Yudian Zheng, Jiannan Wang, Guoliang Li, Reynold Cheng, Jianhua Feng.
EDBT 2015	**On Optimality of Jury Selection in Crowdsourcing. (Full)**. Yudian Zheng, Reynold Cheng, Silviu Maniu, Luyi Mo.

Activities

Tutorial	**SIGMOD 2017**, *Crowdsourced Data Management: Overview and Challenges*. Guoliang Li, Yudian Zheng, Ju Fan, Jiannan Wang, Reynold Cheng.
Tutorial	**APWeb-WAIM 2017**, *Meta Paths and Meta Structures: Analysing Large Heterogeneous Information Networks.*. Reynold Cheng, Zhipeng Huang, Yudian Zheng, Jing Yan, Ka Yu Wong, Eddie Ng.
Tutorial	**PAKDD 2014**, *Managing the Quality of Crowdsourced Databases*. Reynold Cheng, Yudian Zheng.
Lecturer	**OS Experimental Class**, Nanjing University, Jidong Ge, Yudian Zheng.
Reviewer	**2017: TPAMI, VLDBJ, TKDE, JCST, THMS, CIKM (short paper) 2016: TPAMI, TKDE**.

Awards

2017	**Pilot Scheme Scholarship**, *The University of Hong Kong*.
2016	**KDD Travel Award**, *ACM*.
2015–2016	**Hong Kong and China Gas Company Limited Scholarships**.
2015, 2017	**SIGMOD Travel Award**, *ACM*.
2013–2017	**Postgraduate Scholarships**, *The University of Hong Kong*.
2009	**1st Prize in EL Competition**, *Software Institute, Nanjing University*.