

Yu-Xuan Qiu

918 Central Building, Beijing Institute of Technology, 5 South Zhongguancun Street, Haidian District, Beijing, 100081, China
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EDUCATION

Shenzhen University, Shenzhen, Guangdong, China

- M.S. in Computer Science and Technology Sep 2015 – Jul 2018
 - Thesis: Research and Implementation of Structural Clustering on Probabilistic Graphs
 - Advisers: Prof. Guoliang Chen, Dr. Rong-Hua Li
 - Focus: Graph data management.
 - Average Mark: 87 / 100
 - Rank 6 / 31
- B.S. in Computer Science and Technology Sep 2011 – Jul 2015
 - Cumulative GPA: 3.77 / 4.0
 - Rank Top 5%
 - Exemption from graduate admission exam

RESEARCH EXPERIENCE

Beijing Institute of Technology School of Computer Science and Technology

- Research Assistant Apr 2018 – present
 - Project: Significant Community Detection Framework over Large Graphs
 - Supervisor: Dr. Rong-Hua Li
 - Focus: Devising and building an efficient graph significant community detection system.

Hong Kong Baptist University Department of Computer Science

- Research Assistant Feb 2017 – Jun 2017
 - Project: A New Contraction & Expansion Framework for I/O Efficient Graph Processing
 - Supervisor: Dr. Zhiwei Zhang
 - Focus: External Programming.

National High Performance Computing Center at Shenzhen

- Undergraduate Research Student Apr 2013 – May 2014
 - Project: cGeDBIT system
 - Supervisor: Prof. Rui Mao
 - Focus: Building a C++ based indexing system for Similarity Search.

PUBLICATIONS

JOURNALS

- [1] Yu-Xuan Qiu, Rong-Hua Li, Jianxin Li, Shaojie Qiao, Guoren Wang, Jeffrey Xu Yu, and Rui Mao, “Efficient Structural Clustering on Probabilistic Graphs,” *IEEE Transactions on Knowledge and Data Engineering*, Accepted for publication in a future issue.

CONFERENCES

- [1] Shuxin Zhong, Yu-Xuan Qiu, Rukhsana Ruby, Lu Wang, Kaishun Wu, “SIDE: Semi-Distributed Mechanical Equilibrium based UAV Deployment,” in *International Conference on Network Protocols*, Cambridge, UK, Sep 2018.
- [2] Shuxin Zhong, Yongzhi Huang, Rukhsana Ruby, Lu Wang, Yu-Xuan Qiu, Kaishun Wu, “Wi-fire: Device-free fire detection using WiFi networks,” in *International Conference on Communications*, Paris, France, May 2017.

PATENTS

- [1] Rong-Hua Li, Yu-Xuan Qiu, Rui Mao, Lu Qin, Tan Jin, Taotao Cai, “Generalized maximum-degree random walk graph sampling algorithm,” China Patent, No. CN201410749244.X, (**licensed**).
- [2] Rong-Hua Li, Yu-Xuan Qiu, Rui Mao, Lu Qin, Shuxin Zhong, “Searching method and device for optimal route of multiple meeting point applicable for real-time ride-sharing,” China Patent, No. CN201510274711.2, (**licensed**).
- [3] Rong-Hua Li, Kaihua Liao, Rui Mao, Lu Qin, Taotao Cai, Yu-Xuan Qiu, “Algorithm for searching keywords of large-scale graph data on basis of MapReduce,” China Patent, No. CN201510274711.2, (**licensed**).
- [4] Rong-Hua Li, Yu-Xuan Qiu, Rui Mao, Lu Qin, Shuxin Zhong, “Optimal multi-convergence meeting point path search method and apparatus based on A star strategy,” China Patent, No. CN201511018390.6, (pending).

- [5] Rong-Hua Li, Weipeng Zhang, Rui Mao, Yu-Xuan Qiu, Zhengjun Li, Kezhong Lu, Yi Wang, Hao Liao, “MapReduce-based graph structure clustering algorithm,” China Patent, No. CN201710653492.8, (pending).

AWARDS & SCHOLARSHIPS	▪ First Class Postgraduate Scholarship	Nov 2017
	▪ SZU Excellent Graduate Student Cadre	Nov 2016
	▪ First Class Postgraduate Scholarship	Nov 2016
	▪ HUAWEI Code Craft 2016 Area Top 32, Ranked top 32 out of 500 teams.	May 2016
	▪ First Class Postgraduate Scholarship	Nov 2015
	▪ Excellent Student Cadre	2014– 2015
	▪ LOONGSON Award 1st Prize	2014– 2015
	▪ SZU Excellent Student of Social Work(3rd Prize)	2013– 2014
	▪ Songshan Lake Scholarship	2013– 2014
	▪ LOONGSON Award 3rd Prize	2012– 2013
	▪ National Endeavor Scholarship	2011– 2012
	▪ SZU Excellent Student of Academic Performance (Top Prize)	2011– 2012
TEACHING ASSISTANTS	▪ MFE5260 Data Sciences in Financial Engineering. CUHK(Shenzhen), Master of Financial Engineering.	Spring 2018
	▪ MFE5250 Programming for the Financial Engineering. CUHK(Shenzhen), Master of Financial Engineering.	Fall 2016/2017
	▪ Advanced Database Technology. SUNY Binghamton, SZU Summer School.	Summer 2015
	▪ Advanced Database Technology.	Spring 2015
	▪ Parallel Algorithm.	Fall 2014
	▪ Discrete Mathematics.	Fall 2012
	▪ Introduction to Computers. Special Course of Computational Thinking.	Fall 2012
	▪ Advance Applications of MS OFFICE.	Spring 2012/2013
LANGUAGES	▪ Chinese Mandarin: Native Language.	
	▪ English: CET-6 507, IELTS 7.0	
SKILLS	Familiar: \LaTeX , C++, Python, MATLAB.	
	Used: Mathematica, Basic, Pascal, C, Java.	
INTERESTS	Swimming, badminton, table tennis	
REFERENCES	▪ Professor Rui Mao Professor & Vice Dean of College of Computer Science and Software Engineering, Shenzhen University 831, Computer Science Building, South Campus, Shenzhen University, Baishi Road, Nanshan District, Shenzhen, Guangdong, 518060, China mao@szu.edu.cn • +86 (755) 8696-7061	
	▪ Dr. Rong-Hua Li Associate Professor of School of Computer Science & Technology Beijing Institute of Technology No.5 Zhongguancun South Street, Haidian District, Beijing, 100081, China lironghuascut@gmail.com	