

Yuxuan Qiu

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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

- SZU Excellent Graduate Student Cadre Nov 2016
- HUAWEI Code Craft 2016 Area Top 32, May 2016
Ranked top 32 out of 500 teams.
- 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. Spring 2018
CUHK(Shenzhen), Master of Financial Engineering.
- MFE5250 Programming for the Financial Engineering. Fall 2016/2017
CUHK(Shenzhen), Master of Financial Engineering.
- Advanced Database Technology. Summer 2015
SUNY Binghamton, SZU Summer School.
- Advanced Database Technology. Spring 2015
- Parallel Algorithm. Fall 2014
- Discrete Mathematics. Fall 2012
- Introduction to Computer. Fall 2012
Special Course of Computational Thinking.
- Advance Applications of MS OFFICE. Spring 2012/2013

LANGUAGES

- Chinese Mandarin: Native Language.
- English: CET-6 507, IELTS 6.5

SKILLS

Familiar: L^AT_EX, C++, Python, MATLAB.
Used: Mathematica, Basic, Pascal, C, Java.

INTERESTS

Swimming, badminton, table tennis

REFERENCES

- **Professor Rui Mao**
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Shenzhen University
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