

Qingyun Wu

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- RESEARCH INTEREST** Interactive Online Learning, Reinforcement Learning and Information Retrieval
- EDUCATION**
- University of Virginia* Charlottesville, U.S.A
Ph.D student, Department of Computer Science 08/2014 - 05/2020 (expected)
GPA: 3.77, Advisor: Hongning Wang
- Xidian University* Xi'an, China
B.E, Department of Telecommunication Engineering 08/2010 - 07/2014
GPA: 3.65, Rank: 10/335
- RESEARCH EXPERIENCE**
- Research Assistant at the University of Virginia*** 08/2014 - present
Thesis topic: Interactive Online Learning with Incomplete Knowledge
- Advisor: Hongning Wang
- Research Intern at Microsoft Research*** 05/2019 - 08/2019
Lead a research project on automatic Machine Learning in data management, exploration and mining (DMX) Lab of Microsoft Research
- Mentor: Chi Wang
- Research Intern at Adobe Research*** 02/2019 - 05/2019
Worked on a research project on efficient exploration of prior information to conquer the cold-start problem in recommender systems.
- Mentors: Georgios Theodorou, Zheng Wen, Yasin Abbasi-yadkori
- Research Intern at Yahoo Research*** 05/2016 - 08/2016
Proposed a novel multi-armed bandit based solution for the optimization of long-term user engagement on news recommendation tasks.
- Mentors: Liangjie Hong, Yue Shi
- PUBLICATIONS**
- [1] Wenqiang Lei, Xiangnan He, Yisong Miao, **Qingyun Wu**, Richang Hong, Min-Yen Kan and Tat Seng Chua. Estimation-Action-Reflection: Towards Deep Interaction Between Conversational and Recommender Systems. WSDM 2020 (to appear)
 - [2] **Qingyun Wu**, Zhige Li, Huazheng Wang, Wei Chen, and Hongning Wang. Factorization Bandits for Online Influence Maximization. SIGKDD 2019 (acceptance rate for oral presentation: 9.1%)
 - [3] Huazheng Wang, Sonwoo Kim, Eric McCord-Snook, **Qingyun Wu**, and Hongning Wang. Variance Reduction in Gradient Exploration for Online Learning to Rank SIGIR 2019 (**Best Paper Award**).
 - [4] **Qingyun Wu**, Huazheng Wang, Yanen Li, and Hongning Wang. Dynamic Ensemble of Contextual Bandits to Satisfy Users' Changing Interests. The World Wide Web Conference 2019 (acceptance rate: 21%)
 - [5] Yi Qi, **Qingyun Wu**, Hongning Wang, Jie Tang, and Maosong Sun. Bandit Learning with Implicit Feedback. NeurIPS 2018 (acceptance rate: 20%).

- [6] **Qingyun Wu**, and Naveen Iyer and Hongning Wang. Learning Contextual Bandits in a Non-stationary Environment. SIGIR 2018 (acceptance rate: 21%).
- [7] Huazheng Wang, **Qingyun Wu** and Hongning Wang, Online Interactive Recommendation via Factorization Bandits, The Thirty-First AAAI Conference on Artificial Intelligence (AAAI 2017) (acceptance rate: 24.6%)
- [8] **Qingyun Wu**, Hongning Wang, Liangjie Hong and Yue Shi. Returning is believing: Optimizing long-term user engagement in recommender systems. the 26th ACM International Conference on Information and Knowledge Management (CIKM 2017) (acceptance rate: 21%)
- [9] Huazheng Wang, **Qingyun Wu** and Hongning Wang, Learning Hidden Features for Contextual Bandits, the 25th ACM International Conference on Information and Knowledge Management (CIKM 2016) (acceptance rate: 17.6%)
- [10] **Qingyun Wu**, Huazheng Wang, Quanquan Gu, and Hongning Wang. Contextual bandits in a collaborative environment. In Proceedings of the 39th International ACM SIGIR conference on Research and Development in Information Retrieval, pages 529-538. ACM, 2016 (acceptance rate: 18%)

AWARDS

- **Virginia Engineering Foundation Graduate Fellowship**, 2018-2019
- **Graduate Student Award for Outstanding Research** Department of Computer Science, University of Virginia, 2018
- **Best Research Shots Finalist** in 14th annual University of Virginia Engineering Research Symposium (UVERS) for exceptional graduate research, Charlottesville, VA, March, 2018
- **Graduate Student Award for Outstanding Research, Honorable Mention** Department of Computer Science, University of Virginia, 2017
- **Best Research Short** at 2017 ACM Capital Region Celebration of Women in Computing Conference Washington, D.C. 2017
- Student Travel Award to NIPS 2018 2018
- Student Travel Award from US National Science Foundation and SIGWEB 2017
- The ACM SIGIR Student Travel Grant for CIKM 17' 2017
- The 39th International ACM SIGIR Conference Student Travel Grant 2016
- The 20th International ACM SIGKDD Conference Student Travel Grant 2016
- Excellent Undergraduate Thesis Award at Xidian Univ.($< 1\%$) 2014
- National Encouragement Scholarship of China ($< 3\%$) 2013
- Honorable Mention, Mathematics Contest in Modeling/Interdisciplinary Context in Modeling 2013
- Provincial First Price, China Undergraduate Mathematics Contest in Modeling 2012
- Yulong CoolPad Scholarship for Excellent Students ($< 1\%$) 2012
- Outstanding Student Scholarship of Xidian Univ.($< 5\%$) 2011, 2012, 2013

TEACHING EXPERIENCE

- Teaching assistant of CS 2150 Program and Data Representation 2014 Fall, UVa
- Teaching assistant of CS 6161 Algorithm, 2015 Spring, UVa
- Teaching assistant of CS 4501 Information Retrieval, 2016 Spring, UVa
- Teaching assistant of CS 6501 Text Mining, 2017 Spring, UVa

SERVICES

- Reviewer of demo track of in WSDM 2017, 2018
- Reviewer of short paper track in ACL 2018
- Reviewer of Information Retrieval Journal
- Review of CIKM 2016
- Computer Science Graduate Student Group (CSGSG) Officer in the University of Virginia

REFERENCES

Hongning Wang

- Assistant Professor, Department of Computer Science at University of Virginia
- **Email:** hw5x@virginia.edu
- **Homepage:** <http://www.cs.virginia.edu/~hw5x/>

Quanquan Gu

- Assistant Professor, Department of System & Information Engineering at University of Virginia
- **Email:** qg5w@virginia.edu
- **Homepage:** <http://people.virginia.edu/~qg5w/>

Liangjie Hong

- Head of Data Science at Etsy Inc.
- **Email:** lhong@etsy.com
- **Homepage:** <http://www.hongliangjie.com/>

Xinbo Gao

- Professor, School of Electronic Engineering at Xidian University
- **Email:** xbgao@mail.xidian.edu.cn
- **Homepage:** <http://see.xidian.edu.cn/faculty/xbgao/>