

Qi Zhang

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<https://qizhg.github.io>

EDUCATION

PhD, Computer Science and Engineering Aug 2015 - Apr 2020
University of Michigan, Ann Arbor, MI, USA
Division: Artificial Intelligence
Advisors: Edmund Durfee and Satinder Singh

Bachelor of Engineering, Department of Electrical Engineering Sept 2011 - July 2015
Shanghai Jiao Tong University, Shanghai, China

PROFESSIONAL EXPERIENCE

University of South Carolina, Columbia, SC Aug 2020 - Present
Assistant Professor in Computer Science and Engineering

University of Michigan, Ann Arbor, MI Aug 2015 - Apr 2020
Graduate Student Research Assistant

IBM Thomas J. Watson Research Center, New York Summer 2018
Research Intern
Mentors: Xiaoxiao Guo, Gerald Tesauro, and Murray Campbell

PUBLICATIONS

- Efficient Querying for Cooperative Commitments.**
Qi Zhang, Edmund Durfee, Satinder Singh.
Preprint.
- Semantics and Algorithms for Trustworthy Commitment Achievement under Model Uncertainty.**
Qi Zhang, Edmund Durfee, Satinder Singh.
Journal of Autonomous Agents and Multi-agent Systems (JAAMAS), 2019.
- Modeling Probabilistic Commitments for Maintenance Is Inherently Harder than for Achievement.**
Qi Zhang, Edmund Durfee, Satinder Singh.
In the 34th AAAI Conference on Artificial Intelligence (AAAI), 2020;
also presented in the AI Safety workshop at the 28th International Joint Conference on Artificial Intelligence (IJCAI), 2019.
- Learning to Communicate and Solve Visual Blocks-World Tasks.**
Qi Zhang, Richard Lewis, Satinder Singh, Edmund Durfee.
In the 33rd AAAI Conference on Artificial Intelligence (AAAI), 2019.
- Challenges in the Trustworthy Pursuit of Maintenance Commitments under Uncertainty.**

Qi Zhang, Edmund Durfee, Satinder Singh.

In the 20th Trust Workshop at the International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS), 2018.

6. Minimizing Maximum Regret in Commitment Constrained Sequential Decision Making.

Qi Zhang, Satinder Singh, Edmund Durfee.

In the 27th International Conference on Automated Planning and Scheduling (ICAPS), 2017.

7. Commitment Semantics for Sequential Decision Making Under Reward Uncertainty.

Qi Zhang, Edmund Durfee, Satinder Singh, Anna Chen, Stefan Witwicki.

In 25th International Joint Conference on Artificial Intelligence (IJCAI), 2016.

8. Incentivize Crowd Labeling under Budget Constraint.

Qi Zhang, Yutian Wen, Xiaohua Tian, Xiaoying Gan, Xinbing Wang.

In 2015 IEEE Conference on Computer Communications (INFOCOM), 2015.

9. Quality-Driven Auction based Incentive Mechanism for Mobile Crowd Sensing.

Yutian Wen, Jinyu Shi, Qi Zhang, Xiaohua Tian, Zhengyong Huang, Hui Yu, Yu Cheng, Xuemin (Sherman) Shen.

IEEE Transactions on Vehicular Technology, 64(9), 4203-4214, 2015.

PROFESSIONAL SERVICE

Reviewer/Program Committee:

AAAI'19, ICML'19, NeurIPS'19 and '20, NeurIPS'19 and '20 Deep RL Workshop

HONORS & AWARDS

Towner Prize for Outstanding Ph.D. Research (Nominee), University of Michigan, 2019

Rackham Conference Travel Grant, University of Michigan, 2016, 2017, 2019

National Scholarship (1%), Ministry of Education of China, 2012 & 2013

Excellent Academic Scholarship (5%), Shanghai Jiao Tong University, 2012 & 2013

First Prize in China 29th Undergraduate Physics Contest, 2012

TEACHING

Artificial Intelligence, Fall 2020, University of South Carolina