Qin Yang, Ph.D. Candidate

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G https://scholar.google.com/citations?user=t6e_A9kAAAAJ&hl=en

Education Background

01/2019 – current 🔖 **Ph.D., University of Georgia** in Computer Science
Specializing in: *Distributed Artificial Intelligence (DAI), Swarm Intelligence, Multi-Agent Systems (MAS), and Multi-Robot Systems (MRS)*
Thesis title: *Self-Adaptive Swarm System (SASS).*

08/2017 – 12/2018 🔖 **M.Sc. Colorado School of Mines** in Computer Science.
Speciality: *Multi-Agent Systems (MAS) and Multi-Robot Systems (MRS).*

09/2008 – 07/2011 🔖 **M.Eng. Peking University** in Software Engineering.
Thesis title: *The Construction and Application of the Large-scale Project Investment Value Evaluation System.*

09/2000 – 07/2004 🔖 **B.Eng. Harbin Institute of Technology** in Mechatronics.
Thesis title: *The Design and Application of Space Docking Ring under Microgravity.*

Academic Positions and Working Experiences

08/2020 – current 🔖 **Teaching Assistant/Instructor,** Computer Science Department, University of Georgia.

01/2019 – 07/2020 🔖 **Research Assistant,** Computer Science Department, University of Georgia.

08/2017 – 12/2018 🔖 **Teaching Assistant,** Computer Science Department, Colorado School of Mines.

06/2017 – 08/2017 🔖 **Assistant Research Engineer,** Robotics and Artificial Intelligence Laboratory, The Chinese University of Hong Kong - Shenzhen.

05/2017 – 10/2016 🔖 **Senior Engineer and Project Manager,** Intelligent Engineering Department, China Architecture Design & Research Group.

06/2010 – 04/2014 🔖 **Electrical Engineer and Project Manager,** China Electronics Eng Design Institute.

07/2004 – 05/2010 🔖 **Electrical Engineer and Project Manager,** China Aerospace Science and Industry Corporation.

Research Publications

Journal Articles

1. **Yang**, **Q.** (2011). The construction and application of the large scale project investment value evaluation system. *China Science & Technology Magazine*, *129*, 211. Retrieved from
🔗 https://github.com/RickYang2016/Master-Thesis-Paper/blob/main/MasterThesisPaper.pdf

Conference Proceedings

1. **Yang**, **Q.**, & Parasuraman, R. (2020b). Hierarchical needs based self-adaptive framework for cooperative multi-robot system. In *2020 ieee international conference on systems, man, and cybernetics (smc)* (pp. 2991–2998). IEEE.

2. **Yang**, **Q.**, & Parasuraman, R. (2020c). Needs-driven heterogeneous multi-robot cooperation in rescue missions. In *2020 ieee international symposium on safety, security, and rescue robotics (ssrr)* (pp. 252–259). IEEE.

3. **Yang**, **Q.**, Luo, Z., Song, W., & Parasuraman, R. (2019). Self-reactive planning of multi-robots with dynamic task assignments. In *2019 international symposium on multi-robot and multi-agent systems (mrs)* (pp. 89–91). IEEE.

Submitted Papers

1. **Yang**, **Q.**, & Parasuraman, R. (2020a). A game-theoretic utility network for cooperative multi-agent decisions in adversarial environments.

Ongoing Papers

1. **Yang**, **Q.**, & Parasuraman, R. (2021a). *A general agent trust model: Relative needs entropy (rne).*

2. **Yang**, **Q.**, & Parasuraman, R. (2021b). *Cooperative multi-agent bayesian adaptive learning from interaction in adversarial environments.*

Skills

Languages	🔖 Strong reading, writing and speaking competencies for English and Mandarin Chinese.
Coding	🔖 Python, C#, c++, C, sql, xml/xsl, MatLab, ros, LATEX.
Misc.	🔖 Academic research, Teaching, Hiking, Traveling, Reading, Cooking, Watching Movies, Classic & Jazz Lover, Exploring, Thinking and Dreaming.

Career Goals

Current	🔖 My career goal is to find a tenure professor position in an excellent reputed University, especially in Computer Science and Artificial Intelligence fields. After my Ph.D. program, my goal is to find a Postdoctoral position specializing in AI or Multi-Agent/Robot Systems in an top-tier CS University to enhance my knowledge to be an independent researcher.

Miscellaneous Experience

Certification

2015	🔖 **Certified Senior Engineer** in Electric Automatic Control System. Awarded by China Architecture Design Institute.
2009	🔖 **Certified Engineer**. Awarded by China Aerospace Architectural Design Research Institute.