

Ruiyang Xu

120 Wyllis Ave, #412, Everett, MA, 02149 | (781)-333-1176 | ruiyang@ccs.neu.edu

EDUCATION SUMMARY:

Northeastern University, Boston, MA
Ph.D. student in Computer Science

Sep 2016 – Present

Northeastern University, Boston, MA
Master of Science in Computer Science

Sep 2013 – May 2016

Nanjing Forestry University, Nanjing, China
Bachelor of Science in Information and Computational Science

Sep 2007 – Jun 2011

RESEARCH INTERESTS:

I'm interested in General Artificial Intelligence, General Game Play, Reinforcement Learning and Problem Solving through Gamification. Currently, I'm working on solving QSAT problem through neural MCTS and Graph Neural Network.

PUBLICATIONS:

- Xu, Ruiyang and Lieberherr, Karl. 2019. Learning Self-Game-Play Agents for Combinatorial Optimization Problems. In Proceedings of the 18th International Conference on Autonomous Agents and MultiAgent Systems (AAMAS '19). IFAAMS, Richland, SC, 2276-2278.

CONFERENCE PRESENTATIONS:

- 2016. Xu, Ruiyang. " Design and Secure Evaluation of Side-Choosing Games ", Workshop on Incentives and Trust in Electronic Communities, AAAI'16, Phoenix, AZ.
- 2019. Xu, Ruiyang. " Learning Self-Game-Play Agents for Combinatorial Optimization Problems ", Workshop on Reinforcement Learning in Games, AAAI'19, Honolulu, HI.
- 2019. Xu, Ruiyang. " Learning Self-Game-Play Agents for Combinatorial Optimization Problems ", Adaptive and Learning Agents Workshop, AAMAS'19, Montreal, QC, Canada.

WORK EXPERIENCE:

Northeastern University, Boston, MA
Research Scientist at CCIS

May 2016 – Aug 2016

- Working on a crowdsourcing algorithm evaluation model.

Corindus Vascular Robotics. Inc, Waltham, MA
Software internship at R&D department

Jan 2015 – July 2015

- Built a Framework to detect memory leak.
- Developed an Event Log system to improve the debugging process.
- Made GUI gadgets for the Control Console software.
- Refactored logic of the State Machine software implementation on the Control Console.
- Wrote test cases for Electromagnetic Compatibility (EMC) tests.

HopeRun Technology Corporation, Nanjing, China
Software Engineer at Mobile Integration Platform Team

Aug 2011 – Mar 2013

- Frontend web development based on the given specifications.
- Developed a remote end HTTP server simulator to support the development and debugging.
- Android app development on pads and mobile phones.

SKILLS:

- Tensorflow
- Python
- SQL
- MapReduce
- C, Java, Javascript, etc.

AVAILABILITY: 9:00 AM -- 1:00 PM, MON -- FRI; 2:00 PM -- 6:00 PM, THUR