

Ruohan Wang

CONTACT INFORMATION Electrical Engineering 1006 r.wang16@ic.ac.uk
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Kensington, London SW7 2AZ

EDUCATION **Imperial College London**, London

PhD Candidate, Oct 2016 ~ Present

- Research Interests: Machine Learning, Reinforcement Learning, Robotics,
- Thesis topic: Learning to predict users' behaviors and cognitive states
- Supervisor: [Professor Yiannis Demiris](#)

National University of Singapore, Singapore

Bachelor of Computing(First Class Hons), Aug 2008 ~ May 2012

- Thesis: Randomized Gossip in Wide Area Networks
- Supervisor: [Dr. Seth Gilbert](#)
- University Scholars Program: an interdisciplinary academic program for top 3% of cohort

AWARDS **Agency for Science, Technology and Research (A*STAR)**, Singapore

- National Science Scholarship (PhD) 2015 ~ Present

National University of Singapore, Singapore

- University Scholars Program President's Honor Roll 2012
- Practicum Innovation Grant 2012

Ministry of Education, Singapore

- Undergraduate Full Scholarship 2008 ~ 2012
- School-based Full Scholarship 2003 ~ 2007

Competitions

- National Informatics Olympiad 2007 Silver Medal
- National Software Competition 2007 2nd Runner-up

EMPLOYMENT **Institute for Infocomm Research, A*STAR**, Singapore

Research Engineer, Sept 2015 ~ Sept 2016

- Robot learning by demonstration and tactile sensing with deep learning

Bank Of America Merrill Lynch, Singapore

Software Developer, Oct 2014 ~ June 2015

- Equity Trading System Development and Testing

Barclays, Singapore

Software Developer, July 2012 ~ July 2014

- Derivative Trading System Development and Testing

SERVICE

- Global Young Scientist Summit 2016 (Singapore) Liaison Officer for Nobel Laureates

PUBLICATIONS

- **Ruohan Wang**, Carlo Ciliberto, Pierluigi Vito Amadori, Yiannis Demiris, *Support-guided Adversarial Imitation Learning*, Neural Information Processing Systems, 2019 (under review)
- **Ruohan Wang**, Carlo Ciliberto, Pierluigi Vito Amadori, Yiannis Demiris, *Random Expert Distillation: Imitation Learning via Expert Policy Support Estimation*, International Conference on Machine Learning, 2019
- **Ruohan Wang**, Pierluigi Vito Amadori, Yiannis Demiris, *Real-Time Workload Classification during Driving using HyperNetworks*, IEEE/RSJ International Conference on Intelligent Robots and Systems, 2018
- Yan Wu, **Ruohan Wang**, Luis Fernando D'Haro, Rafael E Banchs, Keng Peng Tee *Multi-modal Robot Apprenticeship: Imitation Learning using Linearly Decayed DMP+ in a Human-Robot Dialogue System*, IEEE/RSJ International Conference on Intelligent Robots and Systems, 2018
- **Ruohan Wang**, Antoine Cully, Hyung Jin Chang, Yiannis Demiris. *MAGAN: Margin Adaptation for Generative Adversarial Networks*, arXiv:1704.03817, 2017
- **Ruohan Wang**, Yan Wu, Wei Liang Chan, Keng Peng Tee. *Dynamic Movement Primitives Plus: for Enhanced Reproduction Quality and Efficient Trajectory Modification Using Truncated Kernels and Local Biases*, IEEE/RSJ International Conference on Intelligent Robots and Systems, 2016