Ying Wen / 温颖

Curriculum Vitae

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Google Scholar

Education

2016 – Sept 2020 (Expected) London, UK	**University College London**, *PhD Candidate*, in Computer Science. *Thesis Topic*: Multi-Agent Reinforcement Learning: Maximum Entropy, Rationality and Equilibrium. *Research Interests*: Multi-Agent Learning, Reinforcement Learning. *Supervisor*: Prof. Jun Wang. *Award*: Feldman Scholarship.
2015 – 2016 London, UK	**University College London**, *Master of Research*, **Distinction Honor**. *Thesis Topic*: Learning Distributed Representation of Categorical Data. *Supervisor*: Prof. Jun Wang.
2011 – 2015 Beijing, CN	**BUPT & QMUL**, *BSc(Eng)*, **First Class Honor**. *Awards*: First Class Academic Scholarship, Merit Student Honor, Excellent Student Cadre.

Selected Publications

2020 **Wen, Ying**; Yang, Yaodong; Wang, Jun; Chen, Liheng; Shao, Kun; Mguni, David; Zhang, Weinan, Multi-Agent Determinantal Q-Learning, ICML 2020.

2020 **Wen, Ying**; Yang, Yaodong; Wang, Jun, Generalized Recursive Reasoning for Bounded Rationality in Multi-Agent Interactions, IJCAI 2020.

2019 **Wen, Ying**; Tian, Zheng; Gong, Zhichen; Punakkath, Faiz; Zou, Shihao; Wang, Jun, A Regularized Opponent Model with Maximum Entropy Objective, IJCAI 2019.

2019 **Wen, Ying**; Yang, Yaodong; Luo, Rui; Wang, Jun; Pan, Wei, Probabilistic Recursive Reasoning for Multi-Agent Reinforcement Learning, ICLR 2019. [**Citations: 20**]

2017 **Wen, Ying**; Peng, Peng; Yang, Yaodong; Yuan, Quan; Tang, Zhenkun; Long, Haitao; Wang, Jun, Multiagent Bidirectionally-Coordinated Nets, Emergent Communication Workshop, NIPS 2017. [**Citations: 182**].

Other Publications

2019 Zhou, Ming; Chen, Yong; **Wen, Ying**; Yang, Yaodong; Su, Yufeng; Zhang Weinan; Zhang, Dell; Wang, Jun; Liu, Han, Factorized Q-Learning for Large-Scale Multi-agent Systems, DAI 2019.

2019 **Wen, Ying**; Chen, Tianyao; Zhang, Weinan; Wang, Jun, Pairwise Multi-Layer Nets for Learning Distributed Representation of Multi-field Categorical Data, DLP-KDD 2019.

2018 Yang, Yaodong; Yu, Lantao; Bai, Yiwei; **Wen, Ying**; Zhang, Weinan; Wang, Jun. A Study of AI Population Dynamics with Million-Agent Reinforcement Learning, AAMAS 2018. [**Citations: 10**]

2018 Zhang, Haifeng; Wang, Jun; Zhou, Zhiming; Zhang, Weinan; **Wen, Ying**; Yu, Yong; Li, Wenxin. Learning to Design Games: Strategic Environments in Deep Reinforcement Learning, IJCAI 2018.

2016 Qu, Yanru; Cai, Han; Ren, Kan; Zhang, Weinan; Yu, Yong; **Wen, Ying**; Wang, Jun. Product-based Neural Net for User Response Prediction, ICDM 2016. [**Citations: 136**].

2016 **Wen, Ying**; Zhang, Weinan; Luo, Rui; Wang, Jun, Learning Text Representation Using Recurrent Convolutional Neural Network with Highway Layers, Neu-IR, SIGIR 2016. [**Citations: 30**].

****Total Citations: 408**, by 01/June/2020 from Google Scholar.

Experience

Sept 2019 - London, UK	**Huawei**, *Research Intern*. Multi-agent reinforcement learning and application.
Apr 2016 – Sept 2019 London, UK	**MediaGamma**, *Research Intern*. Real-time decision making optimization and large-scale user response prediction systems using deep learning and reinforcement learning models. Applications in production: click-through/conversion rate estimation, landscape/audience modeling and campaign optimization.
Mar 2015 – Sept 2015 Beijing, CN	**Amazon**, *Business Analyst Intern*. Building automation tool to analyze and optimize the key metrics from massive supply chain data in Fulfillment Centers (Amazon China).
Jun 2014 – Oct 2014 Beijing, CN	**Baidu**, *Software Engineer Intern*. Participated in development of APIs of Baidu Map LBS open platform.

Teaching

2018/19	MSc/MRes Research Project, Teaching Assistant.
2019	COMP1024: Multi-Agent Artificial Intelligence, Teaching Assistant.
2017/18/19	COMPGI15/M052: Information Retrieval and Data Mining, Teaching Assistant.
2017/18	COMPGW02/M041: Web Economics, Teaching Assistant.

Academic Service

Conference PC Member	AAAI, IJCAI, IROS, DLP-KDD.
Journal Reviewer	Transactions on Information Forensics & Security, Frontiers of Computer Science.

Open Source Project

2019	MALib: A Multi-Agent Reinforcement Learning Framework. [Github Link].

References

1 **Jun Wang**, *Professor*.
Computer Science, UCL Centre for Artificial Intelligence
University College London
Turing Fellow, the Alan Turing Institute
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Homepage: http://www0.cs.ucl.ac.uk/staff/Jun.Wang/

2 **Yue Chen**, *Professor*.
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3 **Haitham Bou Ammar**, *Reinforcement Learning Team Leader*.
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