

LISHENG WU

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EDUCATION

University College London(UCL)

Sep 2017 - Nov 2018

- MRes Web Science and Big Data Analytics - GPA: 74.7/100 (Distinction)

Shanghai Jiao Tong University(SJTU)

Sep 2013 - Jul 2017

- B.S. in Computer Science(IEEE Honor Class) - GPA: 85.8/100 (3.55/4.0)

PUBLICATIONS

- [1] Learning Shared Dynamics with Meta-World Models. **Lisheng Wu**, Minne Li, Jun Wang, Arxiv.
- [2] Learning multi-agent implicit communication through actions: a case study in Bridge, a collaborative imperfect information game. Zheng Tian, Shihao Zou, Tim Warr, **Lisheng Wu**, Jun Wang, Arxiv.
- [3] Unsupervised Deep Domain Adaptation for Pedestrian Detection. Lihang Liu, Weiyao Lin, **Lisheng Wu**, Yong Yu, Michael Ying Yang, ECCV Workshop 2016 (accepted).

TECHNICAL SKILLS

Tools	Caffe, MXNet, Tensorflow, PyTorch, ROS2, AWS
Languages	Python, C++, CUDA, MATLAB, SQL

WORK EXPERIENCE

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Nov 2018 - Expected Jan 2019

Research Internship

Cambridge

- Implemented vehicle logging module to subscribe messages from ROS2 and write them to disk.
- Refined image processing parts using NvMedia API and CUDA and deployed models in TensorRT, resulting in 9X faster inference. Trained deep learning models with multi-camera inputs end to end.

PROJECTS

Unify Representations with Shared Dynamics

Jun 2018 - Sep 2018

- Proposed to learn world models for multiple RL environments using shared dynamics.
- The trained models represent corresponding states in different environments with similar representations. We associate the results with the self-consciousness phenomenon and human learning process.

Implicit Communications in Bridge Bidding

Apr 2018 - Sep 2018

- Implemented one bridge bidding environment whose rewards are computed by Double Dummy Solver.
- Designed belief module and communication rewards to help the bidding players communicate.

Pedestrian Detection and Tracking

Jan 2016 - Oct 2016

- Implemented one real-time pedestrian detection system(36fps) based on ReInspect architectures.
- Realized pedestrian tracking by matching features(30fps) and won first place in MOT16.

Unsupervised Deep Domain Adaptation for Pedestrian Detection *Apr 2016 - Jul 2016*

- Proposed a new derived MMD Loss and utilized semi-supervised learning to perform domain adaption.

AWARDS

Academic Excellence Scholarship, SJTU

Oct. 2015 and Oct. 2016