Lin Li (李淋)

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EDUCATION

M.Phil/PhD, Department of Informatics, King's College London, London, UK   Oct. 2019 – Dec. 2023
- Supervisors: Dr Michael Spratling (primary) and Dr Dimitrios Letsios
- Thesis: *Towards More Robust Visual Classification through Improved Adversarial Training*

MSc, Department of Computing, Imperial College London, London, UK   Oct. 2017 – Sep. 2018
- Advisor: Prof. Wayne Luk
- Grade: Overall Distinction (Exam + Thesis)
- Thesis: *Understanding Deep CNNs via Interpretable Individual Units*

BBM, Department of Finance, Xiamen University, Xiamen, China   Sep. 2013 – June 2017
- Advisor: Prof. Zheng Qiao
- Grade: GPA: 3.67/4.00**;** top 10% in the department
- Thesis: *Quantitatively Measuring Investor's Sentiment via Search Index*

PROFESSIONAL EXPERIENCE

Research Intern, Robotics X Lab, Tencent, Shenzhen, China   Dec. 2021 – Oct. 2022
- advised by: Dr Lipeng Chen
- project: Advancing Robots with Greater Dynamic Dexterity: A Large-scale Multi-modality and Multi-perception Dataset for Humanoid Throw-Catch Learning (work in progress)

Teaching Assistant, Department of Informatics, King's College London, London, UK   Jan. 2021 – Dec. 2021
- courses: Machine Learning and Pattern Recognition, Introduction to Artificial Intelligence

Co-funder, Firefly Technology, Xiamen, China   Aug. 2016 – Jun. 2017
- product: a location-based social network mobile application
- fund: Jinyuan Startup Fund, Xiamen University (Management School) and Yanwu Hacker Space

ACADEMIC SERVICE
- **reviewer**, NeurIPS 2023

PUBLICATIONS

1. **Lin Li**, Michael Spratling, Data augmentation alone can improve adversarial training, International Conference on Learning Representations (ICLR), 2023.
2. **Lin Li**, Michael Spratling, Understanding and combating robust overfitting via input loss landscape analysis and regularization, Pattern Recognition (PR), 2023
3. **Lin Li**, Michael Spratling, Improved Adversarial Training Through Adaptive Instance-wise Loss Smoothing, in submission, 2023
4. **Lin Li**, Jianing Qiu, Michael Spratling, Learning Online Instance-adaptive Data Augmentation for Adversarial Robustness, in submission, 2023
5. Jianing Qiu, **Lin Li**, Jiankai Sun, and Jiachuan Peng, Peilun Shi, Ruiyang Zhang, Yinzhao Dong, Kyle Lam, Frank P.-W. Lo, Bo Xiao, Wu Yuan, Dong Xu, Benny Lo, Large AI Models in Health Informatics: Applications, Challenges, and the Future, in submission, 2023

SIDE PROJECTS

Image Recognition for Hotel Rooms, Microsoft, London, UK   Jan. – May 2018
- co-supervised by Dr Anandha Gopalan, Mr. Lee Stott
- implement Faster-RCNN using CNTK to detect items in the pictures for automatical labeling of the facilities
- the entire system was deployed as a web application
- Blog (Microsoft), Git, Report, Presentation, Opensource Contributions, Demo

HONORS & AWARDS

King's-China Scholarship, King's College London and China Scholarship Council (CSC) — Oct. 2019
1st Class (Xiangyu) University Scholarship, Xiamen University — Apr. 2016
Excellent Academic Performance Scholarship, Xiamen University — Jun. 2015
3rd prize winner, Jinyuan Creativity and Startup Contest, Xiamen City — Oct. 2016
3rd prize winner, ChinaNet Dream Accelerator Programming Contest, China — Sep. 2015

ACTIVITIES

Class Representative, Department of Finance, Xiamen University — Sep. 2013 – Sep. 2016
- Personal honor: Outstanding Student Representative, 2016
- Collective honor: Excellent Class of The Year 2016

Member of Debate Society, Xiamen University — Sep. 2013 – Jul. 2017
- Personal Honor: Best Debater, 2013
- Collective Honor: 2nd Prize Winner in Debate Competition (School of Management), 2013