Yongxin **Yang**

PhD · Machine Learning

7 Marquis Court, 4 Anglesea Road, Kingston Upon Thames, KT1 2EN, UK

(+44) 07427621707 | ✉ yongxin@yang.ac | 🏠 yang.ac | wool

Education

Queen Mary, University of London	*London, UK*
PhD in Computer Science	*Sep 2013 – Jul 2017*

- Machine Learning (Transfer Learning, Domain Adaptation, and Multi-Task Learning)
- Neural Networks with Applications to Computer Vision and Computational Finance

University College London	*London, UK*
MSc in Computational Statistics and Machine Learning	*Sep 2011 – Sep 2012*

- Thesis: Detect the Phishing URLs: Heuristic Features and Empirical Study of Machine Learning Approaches
- Main Modules: Probabilistic and Unsupervised Learning, Approximate Inference and Learning in Probabilistic Models (Two PhD courses organised by Gatsby Computational Neuroscience Unit), Advanced Topics in Machine Learning (RKHS & Reinforcement), Advanced Topics in Statistics (MCMC & Extreme Value Theory), Supervised Learning, Evolutionary and Natural Computation, Information Retrieval and Data Mining

Kingston University London	*London, UK*
BSc in Actuarial Mathematics and Statistics	*Sep 2009 – Jun 2011*

- Main Modules: Calculus, Linear Algebra, Probability and Mathematical Statistics, Ordinary Differential Equation, Partial Differential Equation and Approximation Theory, Numerical Methods, Regression Modelling, Time Series and Forecasting, Stochastic Finance, Operational Research

Beijing Normal University, Zhuhai	*Zhuhai, China*
BA in International Finance	*Sep 2007 – Jun 2009*

- Main Modules: Financial Accounting, Management accounting, Intermediate Accounting, Principles of Management, Organizational Behaviour, Management Information System, Microeconomics, Macroeconomics, Corporate Finance, Financial Market and Institutions, Foundation of International Business, Commercial Law, Fundamentals of Marketing

Experience

WDFC UK Limited	*London, UK*
Risk Analyst	*Oct 2012 – Sep 2013*

- Maintain and improve the decision engine that essentially drives the business

Cisco System	*London, UK*
Intern Developer	*Jun 2012 – Sep 2012*

- Design and implement a malicious URL detection system

Kingston University London	*London, UK*
Teaching Assistant	*Jan 2010 – Jun 2011*

- TA for Programming Essentials, Object-Oriented Programming with Java, and HTML Programming and Internet Tools

Honours & Awards

2015	**Best Science Paper Award**, British Machine Vision Conference	*Swansea, UK*
2013	**Queen Mary Principal's Studentships**, Queen Mary, University of London	*London, UK*
2011	**Professor John Morris Prize for Outstanding Achievement in Mathematics**, Kingston University London	*London, UK*
2009	**International Scholarship**, Kingston University London	*London, UK*

Publication

Conference

Attribute-Enhanced Face Recognition with Neural Tensor Fusion Networks	*Venice, Italy*

Guosheng Hu, Yang Hua, Yang Yuan, Zhihong Zhang, Zheng Lu, Sankha Mukherjee, Timothy Hospedales, Neil Robertson, and Yongxin Yang

2017

International Conference on Computer Vision (ICCV)

Deeper, Broader and Artier Domain Generalization	*Venice, Italy*

Da Li, Yongxin Yang, Yi-Zhe Song, and Timothy Hospedales

2017

International Conference on Computer Vision (ICCV)

Deep Multi-task Representation Learning: A Tensor Factorisation Approach *Toulon, France*

Yongxin Yang and Timothy Hospedales *2017*

International Conference on Learning Representations (ICLR)

Gated Neural Networks for Option Pricing: Rationality by Design *San Francisco, USA*

Yongxin Yang, Yu Zheng, and Timothy Hospedales *2017*

AAAI Conference on Artificial Intelligence (AAAI)

Multivariate Regression on the Grassmannian for Predicting Novel Domains *Las Vegas, USA*

Yongxin Yang and Timothy Hospedales *2016*

Computer Vision and Pattern Recognition (CVPR)

Sketch-a-Net that Beats Humans *Swansea, UK*

Qian Yu*, Yongxin Yang*, Yi-Zhe Song, Tao Xiang, and Timothy Hospedales *2015*

British Machine Vision Conference (BMVC)

A Unified Perspective on Multi-Domain and Multi-Task Learning *San Diego, USA*

Yongxin Yang and Timothy Hospedales *2015*

International Conference on Learning Representations (ICLR)

Transductive Multi-label Zero-shot Learning *Nottingham, UK*

Yanwei Fu, Yongxin Yang, Timothy Hospedales, Tao Xiang, and Shaogang Gong *2014*

British Machine Vision Conference (BMVC)

Weakly Supervised Learning of Objects, Attributes and their Associations *Zurich, Switzerland*

Zhiyuan Shi, Yongxin Yang, Timothy Hospedales, and Tao Xiang *2014*

European Conference on Computer Vision (ECCV)

Journal

Spectroscopic super-resolution fluorescence cell imaging using ultra-small Ge quantum dots *Optical Society of America*

Mingying Song, Ali Karatutlu, Isma Ali, Osman Ersoy, Yun Zhou, Yongxin Yang, Yuanpeng Zhang, William R. Little, *2017*
Ann P. Wheeler, and Andrei V. Sapelkin

Optics Express

Weakly-Supervised Image Annotation and Segmentation with Objects and Attributes *IEEE Computer Society*

Zhiyuan Shi, Yongxin Yang, Timothy Hospedales, and Tao Xiang *2016*

IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)

Sketch-a-Net: A Deep Neural Network that Beats Humans *Springer US*

Qian Yu, Yongxin Yang, Feng Liu, Yi-Zhe Song, Tao Xiang, and Timothy Hospedales *2016*

International Journal of Computer Vision (IJCV)

Book Chapter

Unifying Multi-Domain Multi-Task Learning: Tensor and Neural Network Perspectives *Springer International Publishing*

Yongxin Yang and Timothy Hospedales *2017*

Domain Adaptation in Computer Vision Applications