

YONGQIN XIAN

Max Planck Institut for Informatics ◊ Saarland Informatics Campus ◊ Saarbrücken ◊ GERMANY
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RESEARCH EXPERIENCE

Max Planck Institute for Informatics August 2020 - Now
Post-doctoral researcher with Prof. Bernt Schiele and Prof. Zeynep Akata Saarbrücken, Germany

- Learning from limited supervision for computer vision tasks

Facebook AI Research January 2019 - April 2019
Research Intern with Prof. Lorenzo Torresani Cambridge, USA

- Few-shot video understanding

Max Planck Institute for Informatics January 2016 - July 2020
PhD condidate with Prof. Bernt Schiele and Prof. Zeynep Akata Saarbrücken, Germany

- Zero-shot and few-shot learning.

Machine Learning Group of Saarland University April 2014 - October 2014
Research Assistant with Prof. Matthias Hein Saarbrücken, Germany

- Motion segmentation with hypergraph cut

EDUCATION

Max Planck Institute Informatics, Germany 2016-2020
PhD (summa cum laude) in Computer Science

Saarland University, Germany 2013-2016
MSc (Honors degree) in Computer Science

Beijing Institute of Technology, China 2009-2013
BSc in Computer Science

PUBLICATIONS

Attribute Prototype Network for Zero-Shot Learning 2020
Conference on Neural Information Processing Systems (NeurIPS)
Wenjia Xu, **Yongqin Xian**, Jiuniu Wang, Bernt Schiele, Zeynep Akata

Analyzing the Dependency of ConvNets on Spatial Information 2020
The German Conference on Pattern Recognition (GCPR)
Yue Fan, **Yongqin Xian**, Max Maria Losch, Bernt Schiele

Generalized Many-Way Few-Shot Video Classification 2020
ECCV Workshop on Imbalanced Problem in Computer Vision
Yongqin Xian, Bruno Korbar, Matthijs Douze, Bernt Schiele, Zeynep Akata, Lorenzo Torresani

f-VAEGAN-D2: A Feature Generating Framework for Any-Shot Learning 2019
IEEE Computer Vision and Pattern Recognition (CVPR) Conference Long Beach, CA
Yongqin Xian, Saurabh Sharma, Bernt Schiele, Zeynep Akata

Semantic Projection Network for Zero- and Few-Label Semantic Segmentation 2019
IEEE Computer Vision and Pattern Recognition (CVPR) Conference Long Beach, CA
Yongqin Xian*, Subhabrata Choudhury*, Yang He, Bernt Schiele, Zeynep Akata

Zero-Shot Learning – A Comprehensive Evaluation of the Good, the Bad and the Ugly
IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI) 2018
 Yongqin Xian, Christoph H. Lampert, Bernt Schiele, Zeynep Akata

Feature Generating Networks for Zero-Shot Learning 2018
IEEE Computer Vision and Pattern Recognition (CVPR) Conference Salt Lake City, UT
 Yongqin Xian, Tobias Lorenz, Bernt Schiele, Zeynep Akata

Zero-Shot Learning - The Good, the Bad and the Ugly 2017
IEEE Computer Vision and Pattern Recognition (CVPR) Conference Hawaii, HL
 Yongqin Xian, Bernt Schiele, Zeynep Akata

Latent Embeddings for Zero-shot Classification 2016
IEEE Computer Vision and Pattern Recognition (CVPR) Conference Las Vegas, NV
 Yongqin Xian, Zeynep Akata, Gaurav Sharma, Quynh Nguyen, Matthias Hein, Bernt Schiele

TEACHING, SUPERVISION AND TRAINING EXPERIENCE

TA for Machine Learning Course (Prof. Matthias Hein), Saarland University Oct 2015 - Mar 2016
Invited Student at Google's 2nd Computer Vision Summit, Zurich, Switzerland Sep. 2018
Computer Vision Summer School, Sicily, Italy July 2018
Machine Learning Summer School, MPI Intelligent Systems, Germany July 2015
Software Engineer Intern at Oracle Inc., Beijing, China June-Dec. 2012
Research Immersion Lab of Miaoran Zhang (now PhD student at Saarland University) 2019
Master Thesis of Yue Fan (now PhD student at MPII) 2019
Master Thesis of Subhabrata Choudhury (now PhD student at Oxford University) 2018
Bachelor Thesis of Tobias Lorenz (now MSc student at ETH Zürich) 2017

ACADEMIC ACTIVITIES AND INVITED TALKS

Reviewer in International Conference on Learning Representations (ICLR) 2019-21
Reviewer in International Conference on Machine Learning (ICML) 2020
Reviewer in Conference on Neural Information Processing Systems (NIPS) 2018-20
Reviewer in IEEE Computer Vision and Pattern Recognition Conference (CVPR) 2018-20
Reviewer in Transactions on Pattern Analysis and Machine Intelligence (TPAMI) 2017-20
Invited Talk at Computer Science Department, Wuhan University May 2019
Invited Talk at UvA-Bosch Delta Lab, University of Amsterdam May 2018
Invited Talk at Continuous and Open-Set Learning Workshop, CVPR 2017 July 2017
Invited Talk at Vision Meets Cognition Workshop, CVPR 2017 July 2017
Invited Talk at Embeddings and Metric Learning Tutorial, GCPR 2016 Sep. 2016
Spotlight Talk at main conference of CVPR 2016 June 2016

AWARDS

Doctoral Consortium CVPR, 2020
Chinese Government Award for Outstanding Self-Financed Students Abroad CSC, 2018
Qualcomm Innovation Fellowship Finalist Qualcomm, Amsterdam, 2018
Master Degree with Honors Saarland University, Germany, 2016
Graduate Fellowship Saarland University, Germany, 2013-15
Excellent Student Scholarship Beijing Institute of Technology, China, 2009-13

SPOKEN LANGUAGES

Chinese Maternal **English** Proficiency **German** Beginner