XIN WANG

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EDUCATION

University of California, Berkeley *August 2015 - Present*
Ph.D. in Computer Science
Advisors: Prof. Trevor Darrell, Prof. Joseph E. Gonzalez
Field: Computer Vision, Machine Learning

Shanghai Jiao Tong University *September 2011 - June 2015*
Bachelor of Arts in Computer Science
Graduated from IEEE Pilot Class

PUBLICATION

Bingyi Kang*, Zhuang Liu*, **Xin Wang**, Fisher Yu, Jiashi Feng, Trevor Darrell
"Few-shot Object Detection via Feature Reweighting",
International Conference on Computer Vision (ICCV), 2019

Zuxuan Wu, **Xin, Wang**, Joseph E. Gonzalez, Tom Goldstein, Larry S. Davis
"ACE: Adapting to Changing Environments for Semantic Segmentation",
International Conference on Computer Vision (ICCV), 2019

Xin Wang, Fisher Yu, Ruth Wang, Trevor Darrell, Joseph E. Gonzalez
"TAFE-Net: Task-Aware Feature Embeddings for Efficient Learning and Inference"
Conference on Computer Vision and Pattern Recognition (CVPR) 2019

Samvit Jain, **Xin Wang**, Joseph E. Gonzalez
"Accel: A Corrective Fusion Network for Efficient Semantic Segmentation on Video"
Conference on Computer Vision and Pattern Recognition (CVPR) 2019, Oral

Xin Wang, Fisher Yu, Lisa Dunlap, Yi-an Ma, Azalia Mirhoseini, Trevor Darrell, Joseph E. Gonzalez
"Deep Mixture of Experts via Shallow Embedding",
Conference on Uncertainty in Artificial Intelligence (UAI) 2019

Xin Wang, Fisher Yu, Zi-Yi Dou, Trevor Darrell, Joseph E. Gonzalez
'SkipNet: Learning Dynamic Routing in Convolutional Networks"
European Conference on Computer Vision (ECCV) 2018

Xin Wang, Yujia Luo, Daniel Crankshaw, Alexey Tumanov, Fisher Yu, Joseph E. Gonzalez
"IDK Cascades: Fast Deep Learning by Learning not to Overthink"
Conference on Uncertainty in Artificial Intelligence (UAI) 2018

Daniel Crankshaw, **Xin Wang**, Guilio. Zhou, Michael Franklin, Joseph E. Gonzalez, Ion Stoica
"Clipper: A Low-Latency Online Prediction Serving System"
USENIX Symposium on Networked Systems Design and Implementation (NSDI) 2017

Daniel Crankshaw, **Xin Wang**, Jospeh E. Gonzalez, Michael Franklin
"Scalable Training and Serving of Personalized Models"
LearningSys 2015

EXPERIENCES

Real-time Intelligent Secure Execution Lab, UC Berkeley *August 2015 - Present*
Graduate student researcher with Prof. Joseph E. Gonzalez
- Work on dynamic neural network design for efficient learning and inference
- Work on low latency model serving systems

Berkeley AI Research (BAIR) and Berkeley DeepDrive (BDD) *May 2017 - Present*
Graduate student researcher with Prof. Trevor Darrel and Dr. Fisher Yu
- Work on large scale data collection and annotation platform, Scalabel, https://www.scalabel.ai/
- Work on large scale driving dataset collection with human in the loop

Applied Machine Learning, Uber Inc. *May 2016 - August 2016*
Research intern with Dr. Li Erran Li
- Built an auto-reply system for customer tickets with machine learning techniques

Shanghai Jiao Tong University *January 2014 - June 2015*
Undergraduate researcher with Prof. Xiaotie Deng and Prof. Bo Yuan
- Worked on statistical machine learning and algorithmic game theory

SERVICE

- Co-organizer of ICML 2019 workshop on Human in the Loop Learning (**HILL**)
- Reviewer of Conference on Computer Vision and Pattern Recognition (**CVPR**) 2018, 2020
- Reviewer of Neural Information Processing Systems (**NeurIPS**) 2018, 2019
- Reviewer of International Conference on Machine Learning (**ICML**) 2018
- Reviewer of Machine Learning Systems workshop (**LearningSys**) 2017, 2018
- Reviewer of Women in Machine Learning workshop(**WiML**) 2017, 2018

HONORS AND AWARDS

- **Doctoral Consortium, CVPR 2019**, 2019
- **EECS Departmental Fellowship**, UC Berkeley 2015-2016
- **National Scholarship**, *highest scholarship in China* 2012-2013
- **National Endeavor Scholarship**, China 2013-2014
- **First Class Academic Excellence Award**, SJTU 2012-2014

TEACHING

- **DS100: Principles and Techniques of Data Science**, Fall 2017
  Graduate Student Instructor, UC Berkeley
- **Capstone project in Visual Computing & Computer Graphics of M.Eng.**, Spring 2019
  Graduate Student Instructor, UC Berkeley

LANGUAGE AND SKILLS

- **Languages**: English (proficient), Mandarin (native)
- **Skills**: Python, Java, C++, Matlab, PyTorch, TensorFlow