
HUAZHE XU

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EDUCATION

UC Berkeley
CS Ph.D. Student

Berkeley, CA

Tsinghua University
BA in Electronic Engineering

Beijing, China
Aug 2012 – June 2016

- GPA: 93/100
- Visiting student at UC Berkeley
- Exchange student at University of Toronto (fall 2014)

PUBLICATIONS & PREPRINTS

- [1] **H. Xu***, B. Chen*, Y. Gao, T. Darrell, Scoring-Aggregating-Planning: Learning Task-agnostic Priors from Interactions and Sparse Rewards for Zero-shot Generalization, Arxiv Preprint, . [\[pdf\]](#)
- [2] J. Xu*, **H. Xu***, B. Ni, T. Darrell, Composable Motion Generation, in submission.
- [3] Y. Luo, **H. Xu**, T. Ma, Learning Self-Correctable Policies and Value Functions from Demonstrations with Negative Sampling, Arxiv Preprint, . [\[pdf\]](#)
- [4] H. Gao*, **H. Xu***, Q. Cai, R. Wang, F. Yu, T. Darrell, Disentangling Propagation and Generation for Video Prediction, in ICCV'19, . [\[pdf\]](#)
- [5] H. Tang*, D. Lee*, J. Zhang, **H. Xu**, T. Darrell, P. Abbeel, Modular Architecture for StarCraft II with Deep Reinforcement Learning. The 14th AAAI Conference on Artificial Intelligence and Interactive Digital Entertainment (AIIDE'18). [\[pdf\]](#)
- [6] Y. Luo*, **H. Xu***, Y. Li, Y. Tian, T. Darrell, T. Ma, Algorithmic Framework for Model-based Reinforcement Learning with Theoretical Guarantees .ICLR'19 (also appeared as ICMLW'18, NeurIPS'18). [\[pdf\]](#)
- [7] Y. Gao*, **H. Xu***, F. Yu, S. Levine, T. Darrell, Reinforcement Learning from Imperfect Demonstrations. in NIPS Deep RL Symposium. [\[pdf\]](#)
- [8] **H. Xu***, Y. Gao*, F. Yu, T. Darrell, End-to-end Learning of Driving Models from Large-scale Video Datasets. in CVPR 2017 (oral). [\[pdf\]](#)
- [9] R. Hu, **H. Xu**, M. Rohrbach, J. Feng, K. Saenko, T. Darrell, Natural Language Object Retrieval. in CVPR 2016 (oral). [\[pdf\]](#)
- [10] T. Xie, Q. Han, **H. Xu**, Z. Qi, W. Shen. A Low-Complexity Linear Precoding Scheme Based on SOR Method for Massive MIMO Systems. Vehicular Technology Conference (VTC Spring), 2015 IEEE 81st , vol., no., pp.1-5, 11-14 May 2015. [\[pdf\]](#)

* indicates equal contribution

RESEARCH EXPERIENCE

University of California,
w/ Prof. Trevor Darrell, also in collaboration w/ Prof. Sergey Levine & Prof. Pieter Abbeel
Data-efficient RL, model-based RL, vision & RL

Berkeley, USA

Facebook AI Research
w/ Prof. Tengyu Ma & Dr. Yuandong Tian
model-based RL

University of Toronto (Department of Computer Science)
w/ Prof. Sanja Fidler & Prof Raquel Urtasun
Context Image Understanding and Human Taste Analysis with Natural Language Information

Toronto, Canada
Sept 2014 – March 2015

Tsinghua University (Department of Electronic Engineering)
Prof. Shengjin Wang

Beijing, China
Dec 2014 – May 2015

Pedestrian Re-Identification with Deep Decomposition

SELECTED AWARDS AND HONORS

- Graduate Excellence Award, UC Berkeley
- Annual Academic Excellent Award, 2015 (top ~2% out of 280 students)
- Annual Academic Excellent Award, 2014 (top ~2% out of 280)
- Annual Comprehensive Excellent Award, 2013 (top ~2% out of 280)
- First Prize in 2012 National “Duishi” Programming Contest, (2 first prizes awarded, 300 entrants)
- First Prize in 2013 Chinese Undergraduate Students' Physics Competition (top 1%)
- First Prize in 2009 National Olympiad in Physics Competition, Jilin Province (6 awarded, 3,729 entrants)

ADDITIONAL INFORMATION

- Extracurricular Activities: classically trained amateur pianist
- Programming Skills: Python, Matlab, C++
- Languages: Mandarin Chinese (native), English (proficient)