Weijian Xu

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Research Interests

Deep Learning and Computer Vision

Education

University of California San Diego, La Jolla, CA **2018-Present**
Ph.D. in Computer Science
- Advisor: Zhuowen Tu

University of California San Diego, La Jolla, CA **2016-2018**
M.S. in Computer Science
- Overall GPA: 3.97/4.00
- AI track GPA: 4.00/4.00

Beihang University, Beijing, China **2012-2016**
B.E. in Computer Science
- Selected into Honors College
- Overall GPA: 3.88/4.00

Research Experience

Microsoft Research Asia, Beijing, China **2018**
Research Intern, Mentor: Jingdong Wang
Developed a few-shot learning algorithm by applying task-dependent disentangled feature transformation into feature embedding. This work is submitted to CVPR 2019.

University of California San Diego, La Jolla, CA **2017-2018**
Graduate Research Assistant, Mentor: Zhuowen Tu
Developed the Wasserstein introspective neural network and applied it to 2D and 3D generative models. Related works are accepted by CVPR 2018 and AAAI 2019.

Tsinghua University, Beijing, China **2015-2016**
Undergraduate Research Assistant, Mentor: Jiwu Shu
Developed a distributed in-memory file system with non-volatile memory and RDMA support.

Publications

3. **Weijian Xu** and Jingdong Wang. Task-dependent Disentangled Feature Transformation for Few-shot Learning. In submission.

2. Wenlong Huang*, Brian Lai*, **Weijian Xu** and Zhuowen Tu. 3D Volumetric Modeling with Introspective Neural Networks. In *the Thirty-Third AAAI Conference on Artificial Intelligence* (AAAI), 2019.

1. Kwonjoon Lee, **Weijian Xu**, Fan Fan and Zhuowen Tu. Wasserstein Introspective Neural Networks. In *IEEE/CVF Computer Vision and Pattern Recognition* (CVPR), 2018 (**Oral**).

Awards

GSA Travel Grant in UC San Diego	**2018**
National Scholarship of China	**2015**
Run Corporation Scholarship	**2015**
Honorable Prize in the Interdisciplinary Contest in Modeling	**2015**
First Prize Scholarship for Freshman in Beihang University	**2012**

Teaching Experience

Teaching Assistant, University of California San Diego **Winter 2018**
COGS 118A - Introduction to Machine Learning I

Professional Activity

Reviewer:

- IEEE/CVF Conference on Computer Vision and Pattern Recognition **2019**
- IEEE/CVF International Conference on Computer Vision **2019**

Misc.

Languages and Frameworks: Python, C/C++, PyTorch, TensorFlow.

Development Environment: Linux/Unix, macOS and Windows.

Fluent in English and Chinese.