Zhiheng Li

Contact

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- GitHub: github.com/hubertlee915

Education

University of Rochester **Aug. 2018 – Present**
PhD in Computer Science Advisor: Prof. Chenliang Xu

Wuhan University **Sep. 2014 – Jun. 2018**
Bachelor of Engineering in Software Engineering

Research Interests

- Computer Vision
- Disentangled Representation Learning
- Image/Video Synthesis
- AI Fairness
- Image/Video Segmentation

Experience

NEC Labs America **06/2021 – 09/2021**
Research Intern Mentors: Martin Renqiang Min, Kai Li
- Leverage disentangled representation to improve the compositionality of text-to-image synthesis.

Publications

- "StyleT2I: Toward Compositional and High-Fidelity Text-to-Image Synthesis," **Zhiheng Li**, Martin Renqiang Min, Kai Li, Chenliang Xu, *CVPR*, 2022
- "Discover the Unknown Biased Attribute of an Image Classifier," **Zhiheng Li**, Chenliang Xu, *ICCV*, 2021
- "Deep Grouping Model for Unified Perceptual Parsing," **Zhiheng Li**, Wenxuan Bao, Jiayang Zheng, Chenliang Xu, *CVPR*, 2020
- "Learning a Weakly-Supervised Video Actor-Action Segmentation Model with a Wise Selection," Jie Chen, **Zhiheng Li**, Ross K Maddox, Jiebo Luo, Chenliang Xu, *CVPR*, 2020 (**Oral**)
- "Graph Neural Network Based Coarse-Grained Mapping Prediction," **Zhiheng Li**, Geemi P. Wellawatte, Maghesree Chakraborty, Heta A. Gandhi, Chenliang Xu, Andrew D. White, *Chemical Science*, 2020
- "Lip Movements Generation at a Glance," Lele Chen*, **Zhiheng Li*** (*Equal Contribution), Ross K Maddox, Zhiyao Duan, Chenliang Xu, *ECCV*, 2018

Professional Services

Conference Reviewer: NeurIPS'20, CVPR'21, ICML'21, ICCV'21, NeurIPS'21, ICLR'22, AAAI'22, CVPR'22, ICML'22
Journal Reviewer: TMLR
Volunteer: FAccT'21, ICLR'21

Technical Skills

Programming Languages: Python, Java, C, C++, Ruby, Swift, Objective-C, Common Lisp
Technologies/Frameworks: PyTorch, Caffe, MxNet, OpenCV