




# ZHIHENG LI

## Contact

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## Education

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### University of Rochester

*PhD in Computer Science*

**Aug. 2018 – Present**

Advisor: Prof. Chenliang Xu

### Wuhan University

*Bachelor of Engineering in Software Engineering*

**Sep. 2014 – Jun. 2018**

## Research Interests

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

## Experience

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### NEC Labs America

*Research Intern*

**06/2021 – 09/2021**

Mentors: Martin Renqiang Min, Kai Li

- Leverage disentangled representation to improve the compositionality of text-to-image synthesis.

## Publications

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- “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

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**Conference Reviewer:** NeurIPS’20, CVPR’21, ICML’21, ICCV’21, NeurIPS’21, ICLR’22, AAAI’22, CVPR’22, ICML’22, ECCV’22, NeurIPS’22

**Journal Reviewer:** TMLR

**Volunteer:** FAccT’21, ICLR’21

## Technical Skills

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**Programming Languages:** Python, Java, C, C++, Ruby, Swift, Objective-C, Common Lisp

**Technologies/Frameworks:** PyTorch, Caffe, MxNet, OpenCV