# MIANLUN ZHENG

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## EDUCATION

**University of Southern California**, Los Angeles, USA — *August 2018 - Present*
Ph.D student in Computer Graphics, GPA: 4.0/4.0

**Wuhan University**, Wuhan, China — *September 2015 - June 2018*
Master in Computer Science, GPA: 3.81/4.0

**Wuhan University**, Wuhan, China — *September 2011 - June 2015*
Bachelor in Computer Science, GPA: 3.69/4.0

## PUBLICATIONS

Mianlun Zheng, Danyong Zhao, Jernej Barbič. **Evaluating the Efficiency of Six-DoF Haptic Rendering-Based Virtual Assembly Training**, IEEE Transactions on Haptics, 2020.

Bohan Wang*, Mianlun Zheng*, Jernej Barbič. **Adjustable Constrained Soft-Tissue Dynamics**, Pacific Graphics 2020 and Computer Graphics Forum, 39(7), 2020. (*equal first authors)

Qianqian Tong, Zhiyong Yuan, Xiangyun Liao, Mianlun Zheng, *et al.* **Magnetic Levitation Haptic Augmentation for Virtual Tissue Stiffness Perception**. IEEE Transactions on Visualization and Computer Graphics, 2018, 24(12): 3123-3136.

Mianlun Zheng, Zhiyong Yuan, Qianqian Tong, *et al.* **A Novel Unconditionally Stable Explicit Integration Method for Finite Element Method**. Visual Computer, 2018, 34(5):721-733.

Mianlun Zheng, Zhiyong Yuan, Weixu Zhu, *et al.* **A Fast Mass Spring Model Solver for High-resolution Elastic Objects.** Simulation: Transactions of the Society for Modeling and Simulation International, 2017, 93(10): 797-807.

Qianqian Tong, Zhiyong Yuan, Mianlun Zheng, Weixu Zhu, *et al.* **A Novel Magnetic Levitation Haptic Device for Augmentation of Tissue Stiffness Perception**. Proceedings of the 22nd ACM Conference on Virtual Reality Software and Technology. ACM, 2016: 143-152.

## EXPERIENCE

**GILL, Adobe Research** — May 2020 - August 2020
*Research intern* — *San Jose, US*

· Propose a general deep learning model for 3D character's secondary motion.

**Game AI, Tencent America** — May 2019 - August 2019
*Research intern* — *Los Angeles, US*

· Explore to apply deep learning to the Material point method (MPM) for snow simulation.

## AWARDS

USC Provost Fellowship — *2018-2022*
Wuhan University Scholarship — *2017, 2016, 2014, 2013*
National Scholarship (China) — *2015, 2012*
Outstanding Bachelor's Degree Thesis (Hubei Province, China) — *2015*