

JINGWANG LING

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EDUCATION

Tsinghua University, Beijing, China

Ph.D in Software Engineering

- **Advisor:** Prof. Feng Xu

Sep 2020 - Present

School of Software

Tsinghua University, Beijing, China

Bachelor of Engineering

- GPA: 3.85/4.0 (top 10%)
- 2020 Fall graduate application: UNC-CS PhD, THU-SE PhD, Brown-CS ScM

Aug 2016 - Jun 2020

School of Software

B.A. in Digital Media Art

- Second Bachelor Degree
- GPA: 3.83/4.0

Academy of Arts & Design

PUBLICATIONS

Jingwang Ling, Zhibo Wang, Feng Xu, “ShadowNeuS: Neural SDF Reconstruction by Shadow Ray Supervision”, IEEE International Conference on Computer Vision and Pattern Recognition (CVPR) 2023

Jingwang Ling, Zhibo Wang, Ming Lu, Quan Wang, Chen Qian, Feng Xu, “Structure-aware Editable Morphable Model for 3D Facial Detail Animation and Manipulation”, Proceedings of the European Conference on Computer Vision (ECCV) 2022

Jingwang Ling, Zhibo Wang, Ming Lu, Quan Wang, Chen Qian, Feng Xu, “Semantically Disentangled Variational Autoencoder for Modeling 3D Facial Details”, IEEE Transactions on Visualization Computer Graphics (TVCG) 2022

Zhibo Wang, **Jingwang Ling**, Chengzeng Feng, Ming Lu, Feng Xu, “Emotion-preserving Blend-shape Update with Real-time Face Tracking”, IEEE Transactions on Visualization Computer Graphics (TVCG) 2020.

EXPERIENCE

SenseTime Research | Research Intern

Advisor: Quan Wang and Chunze Lin

- 3D facial scan registration and modeling.

Jan 2020 - Sep 2020

Carnegie Mellon University | Summer Research Intern

Advisor: Prof. Simon Lucey and Dr. Chen Cao

- 3D facial tracking using the nonlinear morphable model.

Jul 2019 - Sep 2019

Tsinghua University | Research Assistant

Advisor: Prof. Feng Xu

- Real-time CUDA-based facial detail reconstruction from monocular RGB videos.

Jan 2019 - Jul 2019

AWARDS

Jining Scholarship	2021
Boeing Scholarship (top 1% in Tsinghua)	2019
CNPC Scholarship	2018
Third Prize in Wechat Mini-program Development Competition	2018
Tsinghua Academic Scholarship	2017
First Prize in Asia-Pacific Informatics Olympiad (APIO)	2015
Third Prize in National Olympiad in Informatics (NOI)	2015

SKILLS

Programming Language: Python, CUDA, C/C++, Java, JavaScript
 Software & Tools: PyTorch, OpenGL, Ceres, Tensorflow
 English: TOEFL 112 (R 29, L 28, S 26, W 29), GRE 328 (V 158, Q 170)