

# JINGWANG LING

[gerwang@outlook.com](mailto:gerwang@outlook.com)

<https://gerwang.github.io> ◊ [GitHub @gerwang](#)

## EDUCATION

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**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

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**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 Blendshape Update with Real-time Face Tracking”, IEEE Transactions on Visualization Computer Graphics (TVCG) 2020.

## EXPERIENCE

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**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

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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

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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)