

# QUANKAI GAO

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## EDUCATION

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**University of Southern California**

Sept. 2022-May 2027(expected)

Ph.D. student, Computer Science

**Advisor:** Prof. [Ulrich Neumann](#)

**Wuhan University**

Sept. 2019-Jun. 2022

Master of Engineering in Electronics

**South China University of Technology**

Sept. 2015-Jun. 2019

Bachelor of Engineering in Automation

**GPA:** 3.72/4.0

## EXPERIENCE

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**Research Assistant**

**Robotics Institute, Carnegie Mellon University**

Aug. 2021-Apr. 2022

-Advisor: Prof. [Prof.Fernando De La Torre](#)

-3D Face Generation with granular control over expressions, in part with [Meta\(facebook\)](#).

## AWARDS & HONORS

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Scholarship for Excellent Freshman, Wuhan University

2019

First Prize, The Chinese Mathematics Competitions (CMC), Guangdong.

2018

Finalist Winner, Mathematical Contest in Modeling (MCM/ICM), COMAP.

2018

National Scholarship (Highest scholarship for undergraduate students in China).

2018

Scholarship of South China University of Technology

2017

Scholarship of South China University of Technology

2016

## PUBLICATIONS

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[1] Fariborz Taherkhan, Aashish Rai\*, **Quankai Gao\***, Shaunak Srivastava\*, Xuanbai Chen, Fernando de la Torre, Steven Song, Aayush Prakash, Daeil Kim. Controllable 3D Generative Adversarial Face Model via Disentangling Shape and Appearance. (**WACV**), 2023. [\[Paper\]](#)[\[Project Page\]](#)

[2] **Quankai Gao**, Fudong Wang, Nan Xue, Jingang Yu, Guisong Xia. Deep Graph Matching under Quadratic Constraint. In proceedings of IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), 2021.[\[Paper\]](#)[\[Code\]](#)

## RESEARCH INTERESTS

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- Graph matching
- 3D computer vision