

QUANKAI GAO

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EDUCATION

University of Southern California Ph.D. student, Computer Science Advisor: Prof. Ulrich Neumann	Sept. 2022-May 2027(expected)
Wuhan University Master of Engineering in Electronics	Sept. 2019-Jun. 2022
South China University of Technology Bachelor of Engineering in Automation GPA: 3.72/4.0	Sept. 2015-Jun. 2019

EXPERIENCE

Research Assistant Robotics Institute, Carnegie Mellon University -Advisor: Prof. Fernando De La Torre -3D Face Generation with granular control over expressions, in part with Meta(facebook) .	Aug. 2021-Apr. 2022
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AWARDS & HONORS

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

- [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

- Graph matching
- 3D computer vision