

QUANKAI GAO

(412)7085361 \diamond quankaig@usc.edu

EDUCATION

University of Southern California

Sept. 2022-May 2027(expected)

Ph.D. student, Computer Science

Advisor: Prof. [Ulrich Neumann](#)

South China University of Technology

Sept. 2015-Jun. 2019

Bachelor of Engineering in Automation

GPA: 3.72/4.0

EXPERIENCE

Research Assistant

Robotics Institute, Carnegie Mellon University

Aug. 2021-Apr. 2022

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

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

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

* denotes equal contribution

[1] **Quankai Gao***, Qiangeng Xu*, Hao Su, Ulrich Neumann, Zexiang Xu. Strivec: Sparse Tri-Vector Radiance Fields. Proceedings of the IEEE International Conference on Computer Vision (**ICCV**), 2023. [\[Paper\]](#)[\[Project Page\]](#)

[2] 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. Winter Conference on Applications of Computer Vision (**WACV**), 2023. [\[Paper\]](#)[\[Project Page\]](#)

[3] **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.[\[Paper\]](#)[\[Code\]](#)

TEACHING

· CSCI 585 Database Systems