

Cao Yukang

ykcao@cs.hku.hk

+852-63657321

411 Chow Yei Ching Bldg, Pokfulam Rd, Hong Kong

Research Interest **Computer Vision and Deep Learning:** 3D model reconstruction, face related tasks, camera calibration, and machine intelligence

EDUCATION **The University of Hong Kong (HKU)** Hong Kong SAR, China

Ph.D., Computer Science Sep, 2020 - Present

- Supervisor: Dr. Kenneth K.Y. Wong

Zhejiang University (ZJU) Hangzhou, China

B.Eng., Port Channel and Coastal Engineering Sep, 2016 - Jun, 2020

- GPA: 3.84/4, ranking: 3/66

Research Experience **The University of Texas at Austin** July, 2019 - Nov, 2019

Research Assistant, Center for Computational Visualization

Mentor: Prof. Chandrajit Bajaj

- Project: Designing Deep Nets for Variational Image Processing

Peking University Sep, 2019 - Dec, 2019

Reserach Fellow

Mentor: Dr. Dehua Xiong

- Project: LSTM application in stock forecast

Tsinghua University July, 2018 - Oct, 2018

Research Assistant

Mentor: Dr. Zuoqiang Shi

- Project: Low Dimensional Manifold Model for Image Processing

Publications 1. **Yukang Cao**, Guanying Chen, Kai Han, Wenqi Yang, K.-Y. K. Wong. JIFF: Jointly-aligned Implicit Face Function for High Quality Single View Clothed Human Reconstruction. *Computer Vision and Pattern Recognition (CVPR)*, 2022. **Oral Presentation**

Teaching Experience **The University of Hong Kong**
Department of Computer Science, Teaching Assistant

- COMP2396 Object-Oriented Programming and Java Fall, 2020 - 2021

Awards **Student Awards — The University of Hong Kong**
2020 - 2021

- HKU Presidential Scholarship (HKU-PS, Highest Distinction in Hong Kong)
- Y S and Christabel Lung Postgraduate Scholarship
- The Arthur and Louise May Memorial Fund Scholarship
- HK China Gas Co Ltd Postgraduate Prize

Student Awards — Zhejiang University
2017 - 2018

- China Harbor second-class scholarship
- Honorable Mention in the Mathematical Contest in Modeling
- Zhejiang University Outstanding Second Class Scholarship

2016 - 2017

- Zhejiang University Outstanding Second Class Scholarship
- Zhejiang Provincial Government Scholarship (Top Distinction in Zhejiang Province)

Technical Skills

- Programming in: Python, Matlab, C, C++, Java
- Language: Chinese (native speaker), English (proficiency)
- Others: PyTorch(3d), Tensorflow, LaTeX, OpenCV, etc