Feihong Shen **Last update: Jan. 26, 2024**

CONTACT INFORMATION

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RESEARCH BACKGROUND

- **Graphics**: Differential Rendering, 3D Vision, 6Dof.
- **Generative model** GAN, Diffusion Model, Consistency Model.

EDUCATION

Jilin University 2017–2021

- Undergraduate in Department of Software Engineering, GPA: **3.7/4**.

RESEARCH EXPERIENCE

- **Research Assistant**, Jilin University 2019-2021
  advisor: Dr. Zixuan Feng, Prof. Fengfeng Zhou
- **Remote Research Intern**, University of Mississippi 2020-2021
  advisor: Fanglan Chen (PhD student), Prof. Zhiqian Chen
- **Remote Research Intern**, Singapore University of Technology and Design 2020-2021
  advisor: Prof. Jun Liu

WORK EXPERIENCE

- **Senior Algorithm Engineer & Partner** , Choho Technology 2021–2024
  Choho Technology is an AI enterprise dedicated to promoting automatic dental care.
  webpage: https://www.chohotech.com/

SELECTED PUBLICATIONS

1. Conterfactual generative zero-shot semantic segmentation
   F Shen, J Liu, P Hu - arXiv preprint arXiv:2106.06360, 2021,
2. Quantum Fourier Convolutional Network
   F Shen, J Liu - ACM Transactions on Multimedia Computing, Communications and Applications, 2023.
3. YOLOrtho–A Unified Framework for Teeth Enumeration and Dental Disease Detection
   S Mei, C Ma, **F Shen**, H Wu - arXiv preprint arXiv:2308.05967, 2023
4. OrthoGAN: High-Precision Image Generation for Teeth Orthodontic Visualization
   F Shen, Jingjing Liu, Haizhen Li, Bing Fang, Chenglong Ma, Jin Hao, Yang Feng, Youyi Zheng - arXiv preprint arXiv:2212.14162, 2023

HONORS AND AWARDS

- ***First Class Scholarship*** in Jilin University. 2018, 2019
- ***Excellent student*** of the college. 2018, 2019
- ***Suzhou Industrial Park Scholarship***. national award 2019
- ***1st award of CL-Detection competition***. MICCAI 2023 workshop