Xiangwei Shi

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Education

Delft University of Technology   *Delft, the Netherlands*

PhD student from Computer Vision Lab   *Mar 2022 - Current*

- Supervisor: Dr. Xucong Zhang and Dr. Jan van Gemert (promotor)
- Research directions: gaze estimation, gaze redirection, image synthesis and 3D avatar generation

Delft University of Technology   *Delft, the Netherlands*

Master in Computer Science   *Sept 2016 - Aug 2018*

- Under the supervision of Dr. Jan van Gemert and Dr. Seyran Khademi

University of Waterloo   *Waterloo, Canada*

Visiting student   *Jan 2015 - June 2015*

- Supported by China Scholarship Council

China University of Petroleum (East China)   *Qingdao, China*

Bachelor in Applied Physics   *Sept 2011 - June 2015*

- Overall GPA: 91/100

Work Experience

Delft University of Technology   *Delft, the Netherlands*

Research Assistant in Computer Vision Lab   *Nov 2019 - Feb 2020*

- Two papers published

China University of Petroleum (East China)   *Qingdao, China*

Lab assistant in Physics Demonstration Lab   *Nov 2011 - June 2015*

- Responsible for the maintenance of the equipment
- Assisting professors and experimenters
- Explaining physics principles to visitors

Publications

CONFERENCE PROCEEDINGS

GazeNeRF: 3D-Aware Gaze Redirection with Neural Radiance Fields
  Alessandro Ruzzi*, Xiangwei Shi*, Xi Wang, Gengyan Li, Shalini De Mello, Hyung Jin Chang, Xucong Zhang, Otmar Hilliges
  Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2023

Zoom-cam: Generating fine-grained pixel annotations from image labels
  Xiangwei Shi, Seyran Khademi, Yunqiang Li, Jan Gemert
  2020 25th International Conference on Pattern Recognition (ICPR), 2021

WeightAlign: Normalizing Activations by Weight Alignment
  Xiangwei Shi, Yunqiang Li, Xin Liu, Jan Gemert
  2020 25th International Conference on Pattern Recognition (ICPR), 2021

Deep Visual City Recognition Visualization
  Xiangwei Shi, Seyran Khademi, Jan Gemert
  Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) Workshops, 2019

Sight-seeing in the eyes of deep neural networks
  Seyran Khademi, Xiangwei Shi, Tino Mager, Ronald Siebes, Carola Hein, Victor De Boer, Jan Van Gemert
  2018 IEEE 14th International Conference on e-Science (e-Science), 2018

Skills

Programming	Python (PyTorch, TensorFlow), C/C++, HTML/CSS, JavaScript, SQL.
Miscellaneous	Linux, LaTeX, Git.

Languages

English	Professional proficiency
Chinese	Native proficiency
Japanese	Conversant / JLPT N2