CHENHAO LI

I am a PhD student at Osaka University. My research interests lie at the intersection between machine learning and computer graphics. Especially for inverse rendering, neural rendering using various types of sensors.

CONTACT

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SKILLS

- **Machine Learning**
- **Computer Graphics**
- **Python**
- **C++**
- **Linux**
- **Git**
- **Docker**
- **Latex**

LANGUAGES

- **Mandarin**
- **English (TOEIC)** 805/990
- **Japanese (JLPT N1)** 158/180

EDUCATION

Ph. D. - Computer Science — 2021 - ongoing
Osaka University - Suita, Osaka (Japan)

Master - Computer Science — 2019 - 2021
Kyushu University - Nishi-ku, Fukuoka (Japan)

Research Student - Computer Science — 2018 - 2019
Hiroshima University - Higashi-Hiroshima, Hiroshima (Japan)

Bachelor - Computer Science — 2013 - 2017
Nanjing Xiaozhuang University - Nanjing, Jiangsu (China)

PUBLICATIONS

NeISF: Neural Incident Stokes Field for Geometry and Material Estimation — Nov. 2023
arXiv

Chenhao Li, Taishi Ono, Takeshi Uemori, Hajime Mihara, Alexander Gatto, Hajime Nagahara, Yusuke Moriuchi

Inverse Rendering of Translucent Objects using Physical and Neural Renderers — June 2023
IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2023, pp. 12510-12520

Chenhao Li, Trung Thanh Ngo, Hajime Nagahara

Cross-language font style transfer — Feb. 2023
Applied Intelligence, 2023, pp. 1–15

Chenhao Li, Yuta Taniguchi, Min Lu, Shin'ichi Konomi, Hajime Nagahara

Few-Shot Font Style Transfer Between Different Languages — Jan. 2021
Proceedings of the IEEE/CVF Winter Conference on Applications of Computer Vision (WACV), 2021, pp. 433-442

Chenhao Li, Yuta Taniguchi, Min Lu, Shin'ichi Konomi

WORK EXPERIENCES

Research Intern 2023.6 - 2023.11
Sony - Shinagawa-ku, Tokyo (Japan)

Conducting research on the application of polarization sensors for multi-view inverse rendering.

HONORS & SCHOLARSHIPS

Recipient of Osaka University Fellowship 2021-ongoing
https://www.ist.osaka-u.ac.jp/japanese/campus-life/fellowship.html