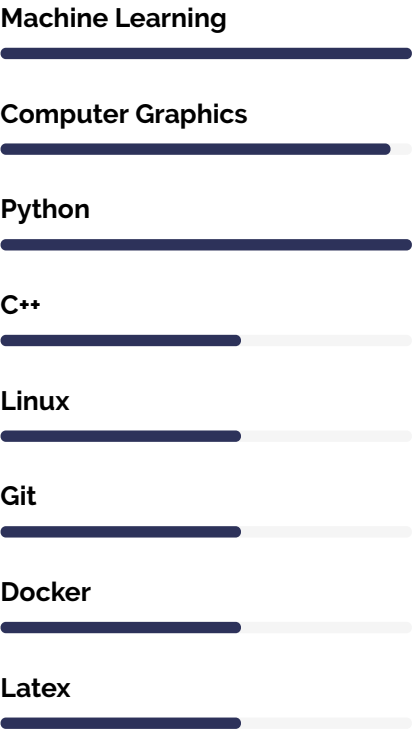


CONTACT

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SKILLS



LANGUAGES



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.

EDUCATION

| | |
|--|----------------|
| Ph. D. - Computer Science Osaka University - Suita, Osaka (Japan) | 2021 - ongoing |
| Master - Computer Science Kyushu University - Nishi-ku, Fukuoka (Japan) | 2019 - 2021 |
| Research Student - Computer Science Hiroshima University - Higashi-Hiroshima, Hiroshima (Japan) | 2018 - 2019 |
| Bachelor - Computer Science Nanjing Xiaozhuang University - Nanjing, Jiangsu (China) | 2013 - 2017 |

PUBLICATIONS

| | |
|--|------------|
| NeISF++: Neural Incident Stokes Field for Polarized Inverse Rendering of Conductors and Dielectrics ArXiv | Dec. 2024 |
| Chenhao Li, Taishi Ono, Takeshi Uemori, Hajime Mihara, Sho Nitta, Alexander Gatto, Hajime Nagahara, Yusuke Moriuchi | |
| Deep Polarization Cues for single-shot Shape and Subsurface Scattering Estimation European conference on computer vision (ECCV), 2024, p. 55-73 | Sep. 2024 |
| Chenhao Li, Trung Thanh Ngo, Hajime Nagahara | |
| NeISF: Neural Incident Stokes Field for Geometry and Material Estimation IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2024, pp. 21434-21445 (Highlight) | June. 2024 |
| Chenhao Li, Taishi Ono, Takeshi Uemori, Hajime Mihara, Alexander Gatto, Hajime Nagahara, Yusuke Moriuchi | |
| Inverse Rendering of Translucent Objects using Physical and Neural Renderers IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2023, pp. 12510-12520 | June 2023 |
| Chenhao Li, Trung Thanh Ngo, Hajime Nagahara | |
| Cross-language font style transfer Applied Intelligence, 2023, pp. 1-15 | Feb. 2023 |
| 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

2024.7 - ongoing

SONY - Shinagawa-ku, Tokyo (Japan)

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

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

2021-2024

<https://www.ist.osaka-u.ac.jp/japanese/campus-life/fellowship.html>