

# Seonghak Lee

## CONTACT INFORMATION

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## EDUCATION

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<b>Chung-Ang University</b> <i>M.S. candidate in Computer Science and Engineering, supervised by Prof. Junseok Kwon.</i>	Seoul, Korea Mar. 2023 – Present
<b>Chung-Ang University</b> <i>B.S. in Computer Science and Engineering</i>	Seoul, Korea Mar. 2017 – Feb 2023

## RESEARCH

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- Jisoo Park\*, **Seonghak Lee\***, Paul Hyunbin Cho\*, Zongkai Xia, Loucif Hebbache, "Enhancing Sidewalk Maintenance through Accurate Joint Deflection Measurement" in Proceedings of IEEE 43rd International Conference on Consumer Electronics (ICCE), 2025 (\*equal contribution)
- **Seonghak Lee\***, Jisoo Park\*, Junseok Kwon, "WildTalker: Talking Portrait Synthesis in the Wild" in Proceedings of European Conference on Computer Vision (**ECCV Workshop**), 3D Modeling, Reconstruction, and Generation in the Wild, 2024 (\*equal contribution)
- **Seonghak Lee\***, Jisoo Park\*, Junseok Kwon, "POTF: Prompt-based Object-centric Tensorial Field" in Proceedings of International Conference on ICT Convergence (**ICTC**), 2024 (\*equal contribution), **Oral presentation**
- **Seonghak Lee**, Junseok Kwon, "A Comprehensive Survey of Neural Radiance Field" in Proceedings of The Institute of Electronics and Information Engineers (**IEIE**), 2023
- **Seonghak Lee**, Junseok Kwon, "Real-time CPR training application Through Arduino Gyro sensor and FSR sensor" in Proceedings of The Korea Multimedia Society (**KMMS**), 2022

## RESEARCH EXPERIENCE

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<b>University of Toronto</b> <i>Visiting Scholar</i>	Toronto, Canada Jan. 2024 – Jun 2024
<b>Computer Vision Lab, Korea University</b> <i>Full-time Research Intern Supervised by Prof. Sangpil Kim</i>	Seoul, Korea July. 2022 – Aug. 2022
<b>Visual Image Media Lab, Chung-Ang University</b> <i>Full-time Research Intern Supervised by Prof. Kwang Nam Choi</i>	Seoul, Korea Feb. 2022 – Jun. 2022

## AWARDS

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| <b>Big Data Analytics Idea Contest by Sundo Soft (2<sup>nd</sup> Place)</b> <ul style="list-style-type: none"><li>• Analysis of fire service vulnerability areas and efficiency of current resource deployment (DEA) based on data such as fire, rescue, and emergency response incidents.</li></ul>      | Sept. 2023 |
| <b>Big Data Analytics Idea Contest by HD Hyundai Site Solution (3<sup>rd</sup> Place)</b> <ul style="list-style-type: none"><li>• Award presented for proposing accident prevention technologies based on the analysis of five major accident types using CCTV footage from construction sites.</li></ul> | Sept. 2023 |

## SKILLS & INTERESTS

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**Skills:** Pytorch, Numpy, Python, Java, Git, Notion, Slack  
**Interests:** 3D Reconstruction, Talking Portrait Synthesis, Audio Enhancement and Separation