

Hoseok Tong

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[Scholar](#) [GitHub](#) [Email](#) [LAB](#)



About Me

I am Hoseok Tong, a Ph.D. candidate at Yonsei University, supervised by Prof. Sanghoon Lee. I am particularly interested in developing technologies for creating 4D human avatars, focusing on utilizing AI in the process. My research aims to apply these avatars to multimedia content, enabling their use across various fields in the entertainment industry.

Publications

Journals

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Conferences

- J Kim, H Oh, S Kim, **Hoseok Tong**, S Lee, "A Brand New Dance Partner: Music-Conditioned Pluralistic Dancing Controlled by Multiple Dance Genres", Conference on Computer Vision and Pattern Recognition (CVPR2022)

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Global Collaborative Research Experience

- Conducted research on advanced AI-driven multimedia applications and virtual reality technologies under the supervision of Prof. Jianfei Cai at Monash University, Melbourne, Australia (Jan. 2025 – Mar. 2025).

Project Experience

- AI | 2024.04 - Present |
- | 2024.01 - present|
- Beyond X-verse | 2023.09 - present|
- | 2023.02 - 2023.12 |
- | 2023.03 - 2023.08 |
- | 2022.09 - 2023.02 |
- 5G - | 2021.09 - 2023.02 |

Reviewer Experience

- Invited Reviewer for IEEE Transactions on Multimedia (1 manuscript)

Education

Yonsei University - Seoul, Korea

- M.S. and Ph.D. Candidate in Electrical and Electronic Engineering.
- Supervised by Prof. Sanghoon Lee.
- Sep. 2021 - Present

Yonsei University - Seoul, Korea

- B.S. in Electronic Engineering
- Mar. 2015 - Aug. 2021

Skills

- Languages: Korean (native), English (fluent)
 - Programming Languages: Python, MatLab, C++/Cuda
 - Tools and Frameworks: PyTorch, Tensorflow
 - Soft Skills: Team Leadership, Project Management
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