Jihyun Lee

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EDUCATION

Mar. 2017 ~ Aug. 2020 — **Handong Global University** — Pohang, South Korea
Bachelor of Science in Computer Science

- *Top Rank* in Computer Science and Electrical Engineering Department (GPA: 4.45 / 4.5)
- Early Graduation

Aug. 2020 ~ — **KAIST** — Daejeon, South Korea
Integrated Master's & Ph.D in Computer Science

- Advisor: Dr. Tae-Kyun (T-K) Kim

RESEARCH INTERESTS

- 3D Shape Deformation
- Deep Human Analysis

CONFERENCES (INTERNATIONAL)

1. **J. Lee***, M. Sung*, H. Kim, T-K. Kim, "Pop-Out Motion: 3D-Aware Image Deformation via Learning Shape Laplacian", **CVPR 2022**, New Orleans, United States (* equal contributions)
2. **J. Lee**, B. Bhattarai, T-K. Kim, "Face Parsing from RGB and Depth Using Cross-Domain Mutual Learning", **CVPR Workshops 2021**, virtual – 27% acceptance rate (AMFG 2021)
3. M. Kang, **J. Lee**, S. Kim and I. Kim, "Fast DCTTS: Efficient Deep Convolutional Text-to-Speech", **ICASSP 2021**, Toronto, Canada

PUBLICATIONS (DOMESTIC)

1. H. Kim, J. Jung, **J. Lee**, J. Park, J. Seo, and H. Kim, "A Dynamically Segmented DCT Technique for Grid Artifact Suppression in X-ray Images", KTSDE, 8(4), 171-178 (2019)

CONFERENCES (DOMESTIC)

1. **J. Lee**, J. Park, J. Seo and H. Kim, "A Dynamically Segmented DCT Technique for Grid Artifact Suppression in X-ray Images", KIPS Fall Conference 2018, Busan, Korea (2018)
2. J. Jung, J. Park, **J. Lee**, G. Jung and H. Kim, "A Blocking Effect Reduction Technique for the Grid Line Suppression Method using DCT", KSC 2018, PyeongChang, Korea (2018)
3. D. Kim, H. Kim, **J. Lee**, J. Park, H. Kim, "Elimination of Grid Lines in the Object Boundary Area of X-ray Images", KCC 2019, Jeju, Korea (2019)

PATENTS

1. M. Kang, S. Kim, S. Kim, **J. Lee**, and I. Kim, "Method for Lightweight Speech Synthesis of End-to-End DCTTS (Deep Convolutional Text-To-Speech System)", KR Patent 10-2019-0, 157, 185

AWARDS (SELECTED)

2019 Excellence Award ($3,000), Korea Software Convergence Hackathon, Ministry of Science and ICT of Korea
- *Developed an automatic traffic light control system using reinforcement learning*

2019 Honorable Mention Award, Undergraduate Student Paper Competition, KSC 2019

2019 Honorable Mention Award, Undergraduate Student Paper Competition, KCC 2019

2018 Silver Prize, Undergraduate Student Paper Competition, KIPS 2018

ACADEMIC ACTIVITIES

2021 Reviewer & Program Committee,
IEEE International Workshop on Analysis and Modeling of Faces and Gestures (AMFG) at CVPR 2021

TEACHING EXPERIENCES

2021, 2022 Teaching Assistant, Artificial Intelligence and Machine Learning (CS570), KAIST

2021 Teaching Assistant, Machine Learning for Computer Vision (CS492), KAIST

2020 Teaching Assistant, Operating System (ECE30021), Handong Global University

2019 Teaching Assistant, C++ Programming (ECE20018), Handong Global University

2018 Teaching Assistant, Data Structure (ECE20010), Handong Global University

SCHOLARSHIPS (SELECTED)

2019 ~ 2020 National Science and Technology Scholarship (full tuition), Ministry of Science and ICT of Korea

2017 ~ 2020 Academic Excellent Scholarship, Handong Global University, Korea