

Yeongmin Son

Soongsil University
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<https://github.com/Dripmaster>

EDUCATION

Mar. 2023 ~ Present	Soongsil University Division of Global Media <i>Master Student</i>	Seoul, Korea
Mar. 2017 ~ Feb. 2023	Soongsil University Division of Global Media <i>Global Media</i> GPA: 3.84 / 4.5	Seoul, Korea

RESEARCH EXPERIENCES

- Research Student at AI Design Lab, Soongsil University, Korea (Jun. 2022 ~ Present)
- Research Intern at AI, SSMobility, Korea (Aug. 2022 ~ Dec. 2022) / Development of Synthesized Voice Detection Model
- Research Student at CrossLab, Soongsil University, Korea (Oct. 2021 ~ Nov. 2021) / Development of AR Apps

PROJECTS

- Synthesized Voice Detection(explainable model), SSMobility, Korea / Model Experiment, Verification, and Optimizing with Advisor (Aug. 2022 ~ Apr. 2024)
- Character face construction from voice, AI Design Lab, Soongsil University, Korea / Development of Model from related papers, optimization (Jun. 2022 ~ Aug. 2022)
- Sign Language Real-Time Recognition, Soongsil University, Korea / Data Pre-Processing, Development of Train Model (Feb. 2022 ~ May. 2022)

RESEARCH INTERESTS

- Multimodal learning
- Generative model
- Digital signal processing
- Audio forensics

PUBLICATIONS (SCIE/ESCI)

1. Yeongmin Son, Jae Wan Park, "Detecting Forged Audio Files Using “Mixed Paste” Command: A Deep Learning Approach Based on Korean Phonemic Features", *SENSORS*, (2024)
2. Yeongmin Son, Won Jun Kwak, Jae Wan Park, "Spectrogram Dataset of Korean Smartphone Audio Files Forged Using the “Mix Paste” Command", *DATA*, (2023)

SKILLS AND TECHNIQUES

Technical

- Programming Languages : Python, C, C++, C#, Java, PHP, NodeJs
- Software & Tools
 - Data Mining : Pandas, librosa, opencv
 - Machine Learning : Tensorflow, pytorch
 - Others : Git & Github, MySQL, Unity, Adobe Audition