

# Won Jin Lee

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Contact Information      Email: wonjin97@gmail.com  
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Programming Skills      Languages: Python, C, C++

Research Interest      

- Self-Supervised Learning
- Video Highlight Detection
- Fairness
- Learning With Noisy Labels

Education      Korea University      Mar. 2016 - Feb. 2023

- B.S in Environmental science & Ecological Engineering
- GPA: 4.09 / 4.5
- Related Classes Taken
  - Data Structure, Algorithm, Operating System, Data Science
  - Calculus, Probability and Statistics, Matrix Theory
  - Data science basics, Data learning and intelligence

KAIST artificial intelligence technology development training      Aug. 2020

Innovation Academy 42 Seoul      Dec. 2020 - Jan. 2022

NC soft NC-Fellowship      Jul. 2020 - Feb. 2021

Work Experience      NCSOFT Inc. Speech AI Lab Singing Voice Team Intern      Jul. 2021 - Feb. 2021

Developed Wav to Midi (Automatic Singing melody Transcription) model

- Developed a model that can automate previously manual wav to midi tasks.
- The developed model is used by the Singing Voice Synthesis model and Conversion study held by the Singing Voice Team.

UNIST Radiation and Medical Intelligence Lab Intern      Oct. 2021 - Apr. 2023

Sinusitis Classification

- U2medtek Inc. Developed a device called Sinusview that diagnoses sinusitis with infrared images rather than CT, and in this project, I developed an AI that diagnoses Sinusitis using data from this device.

Metal Artifact Reduction

- Modern people insert metal objects into the body for various reasons, and this generates metal artifacts, which greatly lowers the quality of images, making it difficult to diagnose disease. A MAR model that erases these artifacts has been developed for head and neck CT

GenesisLab Inc. AI Researcher      Nov. 2022 - Present

Developed Video Lip-Sync detection model

- Developed a model to prevent cheating by pre-recording voice and lip sync

Developed Speaker Classification system

- Developed a pipeline that detects another person's voice from one voice file

Developed Interview Video Cheating Classification model

- Developed a multi-modal model that detects cheating with multi-modal using eye movements and voice over time.

Work Experience      Creative Comprehensive Design Contest 3<sup>rd</sup>      Jul. 2020 - Sep. 2020

- Korea University Innovation Center

NC Fellowship Game AI Track Competition(StarCraft2) 2<sup>nd</sup>      Jul. 2020 - Feb. 2021

- NCSOFT Game AI Lab

1st Body Segmentation AI challenge Top 10      Oct. 2021 - Nov. 2021

- AI HEROES

AI Image Diagnosis Development Hackathon using medical big data      Oct. 2022

- Keit (Korea Evaluation Institute of Industrial Technology)