JIMIN MIN

☎ +82 10-9567-9141 | ✉ egj031@gmail.com | Artificial Intelligence Media Lab (AIM)

Education

Hanbat National University (Advisor: Prof. Haneol Jang) *Daejeon*
Undergraduate Student in Department of Computer Engineering Mar. 2019 - Present
GPA 4.15/4.5 (Major: 4.22/4.5)

Publications

Conference

[1] **Jimin Min**, Jisoo Kim, Minji Kim, and Haneol Jang. "A Robust Deepfake Detector against Anti-forensics", *ASK2022*, May 2022.

[2] **Jimin Min**, Jisoo Kim, Minji Kim and Haneol Jang, "A Robust Deepfake Detector against Various Types of Anti-forensics via Adversarial Training", *KDFS2022*, June 2022.

Journal

[1] Insu Lee, Eojin Jang, **Jimin Min**, Kyungtae Lim, and Haneol Jang, "Steganalysis Learning Techniques for Multi-Resolution Images", *Journal of Digital Forensics*, vol. 16, no. 1, 2022.

Patents

Domestic

[1] Haneol Jang, Taehoon Kim, Inkyu Bang, **Jimin Min**, et al., "정보은닉 이미지 판별 시스템 및 이를 위한 방법," 10-2021-0164216(application number), 2021.11.25, Republic of Korea.

Research Projects

Research on Lightweight Image Steganalysis *Python, PyTorch*
National Security Research institute June 2022 - Present
- Data analysis on steganography
- Development of lightweight steganalysis
- Development of mobile steganalysis

Development of Robust Deepfake Detector *Python, PyTorch*
Capstone Design Jan. 2022 - Present
- Development of a robust deepfake detector against various types of anti-forensics via adversarial training

Development of Semantic Segmentation in Satellite Imagery *Python, PyTorch*
AI Team Project Oct. 2021 - Dec. 2021
- Semantic segmentation of building and road included in satellite imagery

Research on Steganalysis Specialized for Android *Python, PyTorch*
National Security Research institute Apr. 2021 - Sep. 2021
- Data visualization and analysis on steganography algorithms

Awards and Honors

May 2022	**Best Paper Award(Bronze Prize)**	*ASK2022*
June 2022	**Best Paper Award(Commissioner General Prize, 경찰청장상)**	*KDFS2022*

Technical Skills

Programming	Python, Java, C, C++, SQL
Professional Softwares	PyTorch
Languages	English(Intermediate)

Teaching Experiences

Artificial Intelligence Class   *Hanbat National University*

Teaching Assistant (Prof. Haneol Jang)   Sep. 2022 - present

Python Basic Programming   *Hanbat National University*

Teaching Assistant (Prof. Haneol Jang)   July 2022

Artificial Intelligence Intensive Training Course   *Hanbat National University*

Teaching Assistant (Prof. Haneol Jang)   Jan. 2022

Data Structure Class   *Hanbat National University*

                                                           Mar. 2021 - June. 2021,
Teaching Assistant (Prof. Haneol Jang)   Mar. 2022 - June. 2022