

# Jang, Eojin — B.S.

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Artificial Intelligence Media Lab (AIM),  
Computer Engineering Undergraduate Student,  
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## Education

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**Hanbat National University**  
B.S. in Computer Engineering  
GPA: 4.05/4.5, Major: 4.15/4.5

**Daejeon, South Korea**  
*Mar. 2019 - Present*

## Research Interest

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**Computer Vision and AI for Medical Imaging** & steganalysis, Data Mining, Data Analytics

## Awards & Honors

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<b>Private Ranked 23/468</b> Korean sentence relation classification contest , Dacon	Feb. 2022
<b>Private Ranked 1/503</b> AI contest to predict parking demand, Dacon	July 2021
<b>Scholarship</b> National Science & Technology Scholarship	Mar. 2021 - Present
<b>Grand prize</b> Innovation Teaching Method Best Practice Contest	Jan. 2021

## Conference

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1. **Eojin Jang**, Hanyong Cho, Sunkyoung You, Mi Hyeon Gang, and Haneol Jang, “*Neonatal Respiratory Distress Syndrome Diagnosis Method Based on X-ray Images Using Semantic Segmentation*”, ASK 2022

## Journal

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1. Insu Lee, **Eojin Jang**, Jimin Min, Kyungtae Lim, and Haneol Jang, “*Steganalysis Learning Techniques for Multi-Resolution Images*”, Journal of Digital Forensic, Scheduled to be published in March

## Patents

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1. Haneol Jang, Taehoon Kim, Inkyu Bang, Jimin Min, **Eojin Jang**, Minji Kim, Jisu Kim, Hanyoung Cho, Seongmin Hong, Insu Lee, 정보은닉 이미지 판별 시스템 및 이를 위한 방법, 10-2021-0164216(application number), 2021.11.25, South Korea

## Project Experience

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**HANCOM InSpace Intern**

**Sep. 2022 - Dec. 2022**

- AI team intern
- Detection and classification of marine debris, Identification of sources of garbage inflow

**Cloud Segmentation in Satellite Imagery****May. 2022 - June. 2022**

- Computer Vision Term Project
- The task of segmentation thick cloud, thin cloud, and cloud shadows in satellite imagery

**X-ray Diagnostic Study of NRDS****Jan. 2022 - Present**

- Capstone Design (Team Leader & To be submitted to a domestic journal)
- Development and evaluation of deep learning-based algorithms that can diagnose neonatal respiratory distress syndrome only with X-ray images

**Development of functional content platform for mental and physical stability and stress relief****Jan. 2022 - Feb. 2022**

- ETRI Research Trainee
- Data preprocessing using Python and training model tuning and analysis to improve performance

**Vehicle Object Detection in CCTV Video****Oct. 2021 - Dec. 2021**

- AI Major Course Team Project (Team Leader)
- Object detection of various vehicle objects included in Gyeonggi-do CCTV images

**South Korea COVID-19 information application - KorDemic****July 2021 - Aug. 2021**

- Piece of Data (University Student Development Team)
- provide you with an easy-to-understand overview of the current status of COVID-19, publicly visited places of confirmed patients, etc.

**Research on Staganalysis Technology Specialized for Android****Apr. 2021 - Sep. 2021**

- AIM Lab Undergraduate-level Researcher
- Data visualization and analysis, creating multi-resolution stego images

## Teaching Experience

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**Data Structure class, Hanbat univ.****Mar. 2022 - June. 2022**

Teaching Assistant (prof. H.E.Jang)

**Artificial intelligence intensive training course, Hanbat univ.****Jan. 2022**

Teaching Assistant (prof. H.E.Jang)

**Algorithm class, Hanbat univ.****Sep. 2020 - Jan. 2021**

Teaching Assistant (prof. T.H.Kim)

## Technical Skills

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**Programming Languages :** [Advanced] Python [Intermediate] Java, C, SQL**Tools and Frameworks :** Pytorch, VI/VIM, Git, Docker