

Byunghyun Kim

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Department of Computer Science, Hanyang University, Seoul 04763, South Korea
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EDUCATION

Master of Science:

Hanyang University, Seoul, South Korea (Mar. 2021 – Feb. 2023)

- Major in Computer Science.
- Advisor: Prof. Inwhee Joe.
- 3.6/4.50 GPA.

Bachelor of Science:

Seokyeong University, Seoul, South Korea (Mar. 2014 – Feb. 2020)

- Major in Computer Engineering.
- 3.94/4.50 GPA.

RESEARCH INTERESTS

Deep learning:

Computer vision:

Natural language processing:

PUBLICATIONS

1. Byunghyun Kim, Inwhee Joe, et al. "A CNN-Attention Model for Epileptic Seizure Detection," IEEE Student Paper Contest(우수논문상), IEEE Seoul Section, pp. 35-37, November 12, 2021.

HONORS & AWARDS

1. Student Paper Award - IEEE Seoul Section Student Paper Contest 2021.

WORK EXPERIENCE

Mar. 2021 - present

Graduate Research Assistant

- Mobile Network & AI Lab.
- Working with Prof. Inwhhee Joe.
- Working on research in deep learning.

Mar. 2018 – Feb. 2020

Undergraduate Research Intern

- Programming Language Lab.
- Worked with Prof. Yangsun Lee.
- Worked on block chain smart contract.

ADDITIONAL INFORMATION

Mar. 2021 - present

Computer Vision Project

- Image Classification.
- Object Detection.
- Image Generation.
- Super-Resolution.
- Image Restoration.
- Image Denoising.
- Self-Supervised Learning.

Natural Language Processing Project

- Question Answering.
- Machine Translation.
- Text Classification.
- Text Generation.

Kaggle Competitions

- PSNR prediction for image quality assessment. **Top 8%** (6th of 82)
- Hotel booking demand. **Top 16%** (35th of 223)
- Store Sales - Time Series Forecasting. **Top 10%** (56th of 593)
- Natural Language Processing with Disaster Tweets. **Top 18%** (127th of 746)

Blog

- Sharing knowledge about programming, artificial intelligence, and etc.

SKILLS AND CERTIFICATIONS

- Language: C/C++, Java, Python.
- Framework: TensorFlow(keras), Pytorch, Springboot.
- Certification:

QUALIFICATIONS

TOEIC (Sep. 2022)

- Listening 380 / Reading 320 // Total 700.

PATENTS

Sentiment analysis by incorporating domain sentiment lexicon and word embedding.

- Applicant: Byunghyun Kim, Inwhae Joe.
- Application number: 10-2022-0066186.