Byunghyun Kim

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EDUCATION

Master of Science:

Hanyang University, Seoul, South Korea (Mar. 2021 – Feb. 2023)
- Major in Computer Science.
- Advisor: Prof. In-whee Joe.

Bachelor of Science:

Seokyeong University, Seoul, South Korea (Mar. 2014 – Feb. 2020)
- Major in Computer Engineering.

RESEARCH INTERESTS

Machine Learning, Deep Learning,

Computer Vision, Natural Language Processing,

Meta Learning.

PUBLICATIONS

1. Byunghyun Kim, Jongwha Chong, et al. "CNN-based Ensemble Model for Epileptic Seizure Detection," IEIE Summer Conference, July 1, 2021.
2. Byunghyun Kim, Inwhee Joe, et al. "A CNN-Attention Model for Epileptic Seizure Detection," IEEE Student Paper Contest, IEEE Seoul Section, pp. 35-37, November 12, 2021.
3. Kim, B., Lee, D., Min, K., Chong, J., & Joe, I. (2022). Global Convolutional Neural Networks With Self-Attention for Fisheye Image Rectification. IEEE Access, 10, 129580-129587.
4. Lee, D., Kim, B., Kim, T., Joe, I., Chong, J., Min, K., & Jung, K. (2024). A ResNet-LSTM hybrid model for predicting epileptic seizures using a pretrained model with supervised contrastive learning. Scientific Reports, 14(1), 1319.

HONORS & AWARDS

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

SKILLS AND CERTIFICATIONS

- Language: C/C++, C#, Java, JavaScript, Python.
- Framework: OpenCV, Scikit-learn, Keras, TensorFlow, PyTorch, SpringBoot, AWS.
- OS: Windows, Linux, Android.
- Certification: Engineer Information Processing.

QUALIFICATIONS

TOEIC Speaking (June. 2023)
- Intermediate Mid 3(130).

PATENTS

Sentiment analysis by incorporating domain sentiment lexicon and word embedding.
- Applicant: Byunghyun Kim, Inwhee Joe.
- Application number: 10-2022-0066186.