

Tae-hyoung Kim

ML / DL Engineer
iMediSync, Inc
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EDUCATION

Mar. 2019 ~ Feb. 2021	Ulsan National Institute of Science and Technology Department of Biomedical Engineering	Ulsan, Korea
	Thesis: Decoding Single Pitch Imagery from the Human EEG <i>Advisor: Sung-Phil Kim</i> <i>M.S. in Biomedical Engineering</i>	
Mar. 2015 ~ Feb. 2019	Ulsan National Institute of Science and Technology School of Electrical Engineering	Ulsan, Korea
	Thesis: Decoding Single Pitch Imagery from the Human EEG <i>Advisor: Sung-Phil Kim</i> <i>B.S. in Electrical and Computer Engineering</i>	

RESEARCH INTERESTS

- Brain signal processing
- Machine learning
- Deep learning
- Data science
- Heart rate variability

RESEARCH EXPERIENCES

- Research Intern at Music and Audio Research Group (MARG), Seoul National University (SNU), Korea (Dec. 2017 ~ Feb. 2018) / ML & DL researcher
- Researcher at Research Team, iMediSync, Inc, Korea (Feb. 2021 ~ Present) / Researcher (EEG & HRV Modeling)

PROJECTS

- Development of Neural Information Processing Systems for Real-time Movement Control Integrated with Somatosensory Feedback, National Research Foundation of Korea (NRF), Korea (Apr. 2018 ~ Jan. 2019)

- Active and Adaptive Intelligence in Natural Brain and its Application to AI, National Research Foundation of Korea (NRF), Korea (Jan. 2019 ~ Dec. 2019)
- Art Nouveau, Decoding Inner Music Using Electrocardiography, Samsung , Korea (Dec. 2019 ~ Feb. 2021)

SKILLS AND TECHNIQUES

- Neural data analysis (Spike, ECoG, EEG, Calcium imaging) / Modeling
- Heart Rate Variability(HRV) data analysis / Modeling
- Statistical data analysis
- ML / DL
- MATAB, Python, C++, R, Arduino

AWARDS AND HONORS

- 국가공인 데이터 분석 준전문가 (ADsP), 한국데이터산업진흥원 (K-data), Korea (Jun. 2020)