Tae-hyoung Kim

Department of Biomedical Engineering
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EDUCATION

Mar. 2019 ~ Present	**Ulsan National Institute of Science and Technology** Department of Biomedical Engineering	Ulsan, Korea
	Thesis: *Decoding Single Pitch Imagery from the Human EEG* *Advisor: Sung-Phil Kim* *Master Student* GPA: 3.88/4.3	
Mar. 2015 ~ Feb. 2019	**Ulsan National Institute of Science and Technology** School of Electrical and Computer Engineering *B.S. in Electrical and Computer Engineering* GPA: 3.34/4.3	Ulsan, Korea

RESEARCH INTERESTS

- Music Brain-Computer Interface(MBCI)
- Machine Learning / Deep Learning
- Brain signal processing
- Data science

CONFERENCES (TALK/POSTER)

1. Min-ki Kim, Soyoung Chae, Taehyung Kim, Sung-Phil Kim, "Networking in primary motor cortex predicts arm-reaching speed variation", Society for Neuroscience, 2019

RESEARCH EXPERIENCES

- Research Intern at Music and Audio Research Group(MARG), Seoul National University (2017 ~ 2018)

PROJECTS

- Development of Neural Information Processing Systems for Real-time Movement Control Integrated with Somatosensory Feedback (2018~2019)
- Active and Adaptive Intelligence in Natural Brain and its Application to AI (2019)
- Art Neuveau, Decoding Inner Music Using Electrocorticography (2019 ~ Present)

SKILLS AND TECHNIQUES

- Signal processing
- Neural data analysis (Spike, ECoG, EEG, Calcium imaging)
- Statistical data analysis
- ML / DL
- MATALB,Python, C++, R, Arduino
- Brain product, anti-camp acti-cap 32 channel

CERTIFICATES

- 데이터 분석 준전문가 자격증 (ADsP)