

Stanford



Kyung Geun Kim

Ph.D. Student in Bioengineering, admitted Autumn 2024

Bio

HONORS AND AWARDS

- Stanford Graduate Fellowship, Stanford University (2024-2027)

EDUCATION AND CERTIFICATIONS

- M.S., University of California, Berkeley , Electrical Engineering & Computer Sciences (2020)
- B.S., University of California, Berkeley , Electrical Engineering & Computer Sciences (2018)

Publications

PUBLICATIONS

- **Graph structure based data augmentation method** *BIOMEDICAL ENGINEERING LETTERS*
Kim, K., Lee, B.
2024
- **Self-attention with temporal prior: can we learn more from the arrow of time?** *Frontiers in artificial intelligence*
Kim, K. G., Lee, B. T.
2024; 7: 1397298
- **An Artificial Intelligence Algorithm With 24-h Holter Monitoring for the Identification of Occult Atrial Fibrillation During Sinus Rhythm** *FRONTIERS IN CARDIOVASCULAR MEDICINE*
Kim, J., Kim, K., Tae, Y., Chang, M., Park, S., Park, K., On, Y., Kim, J., Lee, Y., Jang, S.
2022; 9: 906780
- **NeuroGPU: Accelerating multi-compartment, biophysically detailed neuron simulations on GPUs** *JOURNAL OF NEUROSCIENCE METHODS*
Ben-Shalom, R., Ladd, A., Artherya, N. S., Cross, C., Kim, K., Sanghevi, H., Korngreen, A., Bouchard, K. E., Bender, K. J.
2022; 366: 109400
- **Scaling and Benchmarking an Evolutionary Algorithm for Constructing Biophysical Neuronal Models** *FRONTIERS IN NEUROINFORMATICS*
Ladd, A., Kim, K., Balewski, J., Bouchard, K., Ben-Shalom, R.
2021; 16: 882552