Jaewoo Kang

Professor
Department of Computer Science and Engineering, Korea University, Korea

● Educational Background & Professional Experience

2021.4–Present	Chief Executive Officer/Founder, AIGEN Sciences Inc.
2006.9–Present	Professor, Department Computer Science and Engineering, Korea University
2003.8–2006.8	Assistant Professor, Department of Computer Science, North Carolina State University
2000.2–2001.9	Chief Technology Officer/Founder, WISEngine Inc.
1996.5–1997.11	Consultant/Senior Technical Staff, AT&T Labs Research
1998	Ph.D. in Computer Science, University of Wisconsin–Madison

● Research Interests

BioMedical AI, Large Language Models, Drug Discovery

● Publications

1. Jungwoo Park, Young Jin Ahn, Kee-Eung Kim, Jaewoo Kang. Monet: Mixture of Monosemantic Experts for Transformers. ICLR 2025
2. Kiwoong Yoo, Owen Oertell, Junhyun Lee, Sanghoon Lee, Jaewoo Kang. TurboHopp: Accelerated Molecule Scaffold Hopping with Consistency Models. NeurIPS 2024
3. Ngoc-Quang Nguyen, Sejeong Park, Mogan Gim, Jaewoo Kang*. MulinforCPI: enhancing precision of compound-protein interaction prediction through novel perspectives on multi-level information integration. Briefings In Bioinformatics (2024)
4. Mujeen Sung[†], Minbyul Jeong[†], Yonghwa Choi, Donghyeon Kim, Jinhyuk Lee, Jaewoo Kang*. BERN2: an advanced neural biomedical named entity recognition and normalization tool. Bioinformatics (2022)
5. Jinhyuk Lee[†], Wonjin Yoon[†], Sungdong Kim, Donghyeon Kim, Sunkyu Kim, Chan Ho So, Jaewoo Kang*. BioBERT: a pre-trained biomedical language representation model for biomedical text mining. Bioinformatics (2020)