	Soo Kim		
	♥ Cambridge, UK	<b>in</b> soo-jeongkim	<b>O</b> sjk
SELECTED PHD PROJECTS	<b>Epitope-conditioned T cell receptor sequence design</b> Lead contributor (Ongoing) - <b>Highlights:</b> Protein Language Models; Diffusion Modelling; Contrastive Learning; Reinforce- ment Learning; multi-modal integration.		
	Predicting transcriptional responses from single-cell chromatin modifications Lead bioinformatics contributor to collaborative project (Ongoing) - Highlights: Genomic Language Models; Singe-cell transcriptomics; Perturbation.		
	Predicting positive selection in cancer genome sequences Lead contributor (Ongoing) - Highlights: Genomic Language Models; Contrastlve Learning; R	lepresentation learnir	וg.
EDUCATION	EMBL-EBI, University of Cambridge PhD Bioinformatics @Cancer Genomics Lab - Supervisor: Dr. Isidro Cortes-Ciriano	Cambridg Jan 2024 - Pi	je, UK resent
	across biological sequence data domains.	mailenges of data sp	Jaisity
	University of Cambridge 🞓 MPhil Engineering (Biomedical & Information)	Cambridg Oct 2021 - Sep	je, UK o 2022
	Imperial College London 🞓 First Class Honours BSc Biology; Specialisation in Bioinformatics	Londo Oct 2017 - Jur	วท, UK า 2021
	ETH Zürich 🞓 GPA: 6.0/6.0 Exchange, Life Sciences & Engineering	Zürich, Switze Oct 2019 - Aug	erland J 2020
SELECTED SKILLS	<ul> <li>Biological Data Types: Experienced in protein sequences, structure, transcriptomics, genomics, and images.</li> <li>Languages: Experienced in Python, R and Go; Familiar with OCaml.</li> <li>ML Frameworks: Experienced in PyTorch and TensorFlow; Familiar with Jax.</li> <li>Distributed Training Frameworks: Experienced in Lightning.</li> <li>Software tools: Experienced in git &amp; Docker.</li> <li>HPC: Experienced in SLURM.</li> </ul>		s, ge-
INDUSTRY EXPERIENCE	Al Scientist Lightcast Discovery - Developed, tested and deployed Al tools for characterising single- images, including pipelines for data processing and quality control.	Cambridg Sept 2022 - Sept cell drug response th	je, UK t 2023 irough
	ML Engineer (Intern) dRisk.ai - Developed a reinforcement learning agent for autonomous drivin of uncertainty around edge cases.	Londo Mar 2022 - May g, focusing on the pr	on, UK / 2022 oblem
PUBLICATIONS	Root electrotropism in <i>Arabidopsis</i> does not depend on auxin distribution but requires cytokini biosynthesis, <i>Plant Physiology</i> . 3D Bioprinting of Diatom-Laden Living Materials for Water Quality Assessment, <i>Small</i> .		tokinin
LEADERSHIP	Project Officer U Cambridge Uni Artificial Intelligence Society - Recruited industry collaborators to host AI-based projects with Can saw completion of projects including necessary data collection.	niversity of Cambridg Oct 2021 - Sep mbridge students and	ge, UK o 2022 d over-