Kuno Kim

Contact: khkim@cs.stanford.edu

EDUCATION & BACKGROUND

Stanford University | Ph.D Computer Science, Advisor: Stefano Ermon, GPA: 4.0
Sep 2018 – | Stanford, CA

California Institute of Technology | B.S. Computer Science, GPA: 4.2 (First place among class of 2018)
Sep 2012 – Jun 2018 | Pasadena, CA

Signal Intelligence Lab | Republic of Korea Army
Sep 2014 – May 2016 | Camp Humphreys, South Korea

HIGHLY REFEREED CONFERENCE PUBLICATIONS

Understanding and Adopting Rational Behavior by Bellman Score Estimation
Kuno Kim , Stefano Ermon, ICLR 2023 (spotlight, 25% of accepted papers)

LISA: Learning Interpretable Skill Abstractions from Language
Divyansh Garg, Skanda Vaidyanath, Kuno Kim , Jiaming Song, Stefano Ermon, NeurIPS 2022

Self–Similarity Priors: Neural Collages as Differentiable Fractal Representations
Michael Poli, Winnie Xu, Stefano Massaroli, Chenlin Meng, Kuno Kim , Stefano Ermon, NeurIPS 2022

Reward Identification in Inverse Reinforcement Learning
Kuno Kim , Kirankumar Shiragur, Shivam Garg, Stefano Ermon, ICML 2021 (spotlight)

Imitation with Neural Density Models
Kuno Kim , Akshat Jindal, Yang Song, Jiaming Song, Yanan Sui, Stefano Ermon, NeurIPS 2021

Domain Adaptive Imitation Learning
Kuno Kim , Yihong Gu, Jiaming Song, Shengjia Zhao, Stefano Ermon, ICML 2020 (spotlight)

Active World Model Learning with Progress Curiosity
Kuno Kim , Megumi Sano, Julian De Freitas, Nick Haber, Daniel Yamins, ICML 2020

Context Embedding Networks
Kuno Kim , Oisin Mac Aodha, Pietro Perona, CVPR 2018

ThreeDWorld: A Platform for Interactive Multi-Modal Physical Simulation
Chuang Gan, ..., Kuno Kim (11th author) , ..., Daniel Yamins, NeurIPS 2021

Quantifying Performance of Bipedal Standing with Multi-channel EMG
Yanan Sui, Kuno Kim , Joel W. Burdick, IROS 2017

JOURNAL PUBLICATIONS

Real-Time In Vivo Intraocular Pressure Monitoring using an Optomechanical Implant and Artificial Neural Networks
Kuno Kim , Jeong Oen Lee, Juan Du, David Sretavan, Hyuck Choo, IEEE Sensors Journal, vol. 17, no. 22, 2017 (Best Paper Nominee)

SELECTED AWARDS & FELLOWSHIPS

JP Morgan Chase PhD Fellowship | - JP Morgan Chase
Awarded to senior PhD students with exceptional research in AI

Gwanjeong Graduate Fellowship | - Gwanjeong Educational Foundation
Fellowship awarded to top students in Korea pursuing a graduate degree abroad

Stanford CS Department Fellowship | - Stanford University
Fellowship awarded by the CS department to a few top first year PhDs

Henry Ford II Scholar Award | - Caltech
Scholarship ($5000) awarded to an engineering student with the best academic record.

International Young Physicists' Tournament (IYPT) Gold Medal
Biggest world-wide physics research competition for high-school students

Technical Skills: Python, Pytorch, Tensorflow, Statistical Modeling, Reinforcement Learing, Generative AI, Sequential Modeling