Kevin Lu

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Education

University of California, Berkeley
B.S. in Electrical Engineering and Computer Sciences, Class of 2022 — Aug 2018 - Aug 2021
GPA: 4.00/4.00

Experience

Facebook Artifical Intelligence Research
AI Resident — Aug 2021 - Aug 2022
Advised by Amy Zhang and Yuandong Tian.

Robot Learning Lab
Undergraduate Researcher — June 2019 – Aug 2021
Advised by Igor Mordatch, Aditya Grover, and Pieter Abbeel. Broadly working on AI and reinforcement learning.

Hearst Lab
Undergraduate Researcher — Sept 2018 – Mar 2019
Advised by Katie Stasaski and Marti Hearst. Worked on project focused on natural language processing and education.

Publications

"Decision Transformer: Reinforcement Learning via Sequence Modeling."
L. Chen*, K. Lu*, A. Rajeswaran, K. Lee, A. Grover, M. Laskin, P. Abbeel, A. Srinivas†, I. Mordatch†.
arXiv preprint 2021.

"Pretrained Transformers as Universal Computation Engines."
K. Lu, A. Grover, P. Abbeel, I. Mordatch.
arXiv preprint 2021.

"Reset-Free Lifelong Learning with Skill-Space Planning."
K. Lu, A. Grover, P. Abbeel, I. Mordatch.
International Conference on Learning Representations, 2021. Contributed talk at NeurIPS 2020 Deep RL Workshop.

"Efficient Empowerment Estimation for Unsupervised Stabilization."
R. Zhao, K. Lu, P. Abbeel, S. Tiomkin.
International Conference on Learning Representations, 2021.

"Adaptive Online Planning for Continual Lifelong Learning."
K. Lu, I. Mordatch, P. Abbeel.
Contributed talk at NeurIPS 2019 Deep RL Workshop.

* denotes equal contribution. † denotes equal advising.

Teaching

University of California, Berkeley
Head Teaching Assistant, Probability and Random Processes (EECS 126) — Aug 2020 - May 2021
Head TA for UC Berkeley's upper division probability course, responsible for organizing course and content creation.

Teaching Assistant, Probability and Random Processes (EECS 126) — Aug 2019 - May 2020
TA for UC Berkeley's upper division probability course, responsible for teaching discussion and grading.

Reader, Discrete Math and Probability (CS 70) Jan 2019 - May 2019
Grading assistant for UC Berkeley's introductory discrete math and probability course.

Invited Talks

IBM: "Pretrained Transformers as Universal Computation Engines." Apr 2021

Facebook AI Research: "Pretrained Transformers as Universal Computation Engines." Apr 2021

Berkeley Vision Group: "Pretrained Transformers as Universal Computation Engines." Apr 2021

Cohere: "Pretrained Transformers as Universal Computation Engines." Mar 2021

Academic Activities

Conference Reviewer: NeurIPS (2021)

Selected Coursework

CS 294: Deep Unsupervised Learning
CS 288: Natural Language Processing
CS 287: Advanced Robotics
EE 290: Theory of Bandits and Reinforcement Learning
EE 290: Population Games
Stat 240: Robust and Nonparametric Statistics
Stat 210A: Theoretical Statistics
CS 189: Machine Learning
CS 188: Artificial Intelligence
EECS 127: Convex Optimization
EECS 126: Probability and Random Processes