

Kevin Lu

✉ Email: kzl@fb.com | 📄 Github: kzl | 🎓 Google Scholar: Kevin Lu | 🌐 Website: kzl.github.io

Education

University of California, Berkeley

B.S. in Electrical Engineering and Computer Sciences, GPA: 3.95/4.00

Aug 2018 - Aug 2021

Experience

Facebook Artificial Intelligence Research

AI Resident | Advisors: Amy Zhang, Yuandong Tian

Aug 2021 - Sept 2022

Working on reinforcement learning in a one-year industry student researcher position.

Robot Learning Lab

Undergraduate Researcher | Advisors: Igor Mordatch, Pieter Abbeel

June 2019 - Aug 2021

Worked on universal models and general approaches for reinforcement learning and sequential modeling.

Hearst Lab

Undergraduate Researcher | Advisors: Katie Stasaski, Marti Hearst

Sept 2018 - Mar 2019

Worked in an engineering role on an automated tutoring project leveraging language models and online data collection.

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†.

Neural Information Processing Systems, 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.

Academic Activities

Conference Reviewer: NeurIPS, ICLR

Invited Talks

Intel AI Labs: “Decision Transformer: Reinforcement Learning via Sequence Modeling.”	July 2021
Eindhoven RL Seminar: “Decision Transformer: Reinforcement Learning via Sequence Modeling.”	July 2021
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

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