Kevin Lu

Email: kzl@berkeley.edu | Github: kzl | Google Scholar: Kevin Lu | Website: kzl.github.io

EDUCATION

UC BERKELEY | B.S. in Electrical Engineering and Computer Science (EECS)
Aug 2018 – May 2021 | Berkeley, CA
Selected coursework (GPA: 4.00/4.00):

Grad-level: Robotics, Unsupervised Learning, Classical Statistics, Population Games, Bandits & RL Theory, NLP, Robust Statistics
Undergrad-level: Machine Learning, Artificial Intelligence, Probability, Convex Optimization, Algorithms, Biological Psychology

EXPERIENCE

FACEBOOK AI RESEARCH | AI Resident
Aug 2021 – Present | Menlo Park, CA
Advised by Amy Zhang and Yuandong Tian.

ROBOT LEARNING LAB | Undergraduate Researcher
June 2019 – Present | Berkeley, CA
Advised by Igor Mordatch, Aditya Grover, and Pieter Abbeel. Broadly working on AI and reinforcement learning.

UC BERKELEY EECS | Head Teaching Assistant for Probability and Random Processes
Jan 2019 – Present | Berkeley, CA
Responsible for organizing class logistics, creating content, grading, teaching, organizing staff, etc.

HEARST LAB | Undergraduate Researcher
Sept 2018 – Mar 2019 | Berkeley, CA
Worked with Katie Stasaski and Marti Hearst on NLP; worked with data collection and classification/seq2seq models.

PUBLICATIONS

"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. ICLR 2021. Contributed talk at NeurIPS 2020 Deep RL Workshop.

"Efficient Empowerment Estimation for Unsupervised Stabilization."
R. Zhao, K. Lu, P. Abbeel, S. Tiomkin. ICLR 2021.

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

PROJECTS & CODE

LIFELONG RL CODEBASE | Aug '20 – Present | Python
Open-source Pytorch codebase developed for RL research, notably for model-based, unsupervised, and offline RL.

ESPORTS DATA ANALYSIS | Oct '19 | Python
Analyzed professional match statistics from eSport League of Legends and implemented Elo algorithm.

SHEETS CALENDAR | Aug '18 – Sept '18 | Javascript
Developed a todo-list/calendar in Google Sheets that syncs with Google Calendar.

KNN MOVIE RECOMMENDER | May '18 | C++
Implemented k-nearest-neighbors for movie recommendation.