Kevin Lu

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY | B.S. in Electrical Engineering and Computer Science
Aug 2018 – May 2021 (Expected) | Berkeley, CA

- Cumulative GPA: 4.00/4.00
- Graduate-Level Coursework: Advanced Robotics*
- Selected Undergraduate-Level Coursework: Machine Learning*, Probability and Random Processes (A+), Convex Optimization (A), Artificial Intelligence (A+), Algorithms (A), Discrete Math and Probability (A+), Machine Structures*, SICP (A+), Information Devices and Systems I (A+), Multivariable Calculus (A)

* In Progress (Fall 2019)

RESEARCH

ROBOT LEARNING LAB | Undergraduate Researcher
June 2019 – Present | Berkeley, CA
Lead author of AOP, presented as a contributed talk at NeurIPS 2019 Deep RL. AOP allows an agent to interpolate between model-based planning and model-free learning on the fly in difficult reset-free settings with changing dynamics for reduced computation. Working with Igor Mordatch and Prof. Pieter Abbeel on utilizing uncertainty for more intelligent decision making.

- Kevin Lu, Igor Mordatch, Pieter Abbeel. "Adaptive Online Planning for Continual Lifelong Learning." NeurIPS 2019 Deep Reinforcement Learning Workshop (Contributed talk, ~6% of accepted papers) [website]

HEARST LAB | Undergraduate Researcher
Sept 2018 – Mar 2019 | Berkeley, CA
Worked with Katie Stasaski and Prof. Marti Hearst on developing a tutoring system that adapts to the learner's style and types of mistakes. Personally worked on data collection and experimented with classification models (seq2seq, BERT, etc).

TEACHING

UNIVERSITY OF CALIFORNIA, BERKELEY | Undergraduate Student Instructor
Jan 2019 – Present | Berkeley, CA

- Teaching assistant for EE 126 Probability and Random Processes (Fall 2019)
- Teaching discussion section, holding office hours/HW parties, grading exams/homework, and other course-related activities
- Also (Spring 2019): reader (grading homeworks, holding office hours/homework parties) for CS 70 Discrete Math and Probability, CS 70 CSM mentor teaching section twice/week, and a CS 70 tutor as part of CS 370

PERSONAL PROJECTS

ESPORTS ANALYSIS
Oct 2019 | Python
Analyzed/visualized professional match stats from eSport League of Legends.

GOOGLE SHEETS CALENDAR
Aug 2018 – Sept 2018 | Javascript
Developed a todo-list/overview in Sheets that syncs with Calendar.

WORLD CUP ANALYSIS
July 2018 | Python, MySQL
Analyzed historical stats from the World Cup and created predictive models.

MOVIE RECOMMENDER
May 2018 | C++
Implemented k-nearest-neighbors algorithm for movie recommendation.

ONIPATH
Feb 2017 | Javascript, HTML/CSS
Interactive graph visualization of news articles, connected by topics.

MEMORY JOURNAL
Dec 2015 – Jan 2016 | Swift
Journal for iOS; won 1st place in the 2015 Congressional App Challenge.

MISCELLANEOUS

PROGRAMMING LANGUAGES
Primarily Python, some experience with:
C/C++, Java, Javascript, MySQL

HONORS & AWARDS

- Eta Kappa Nu (Honors Society) 2019
  Top third of students with junior standing
- Codeforces, Expert Rating 2019
  Competitive programming platform
- Kraft Award for Freshmen 2018
  Awarded to ~4% of UC Berkeley freshmen
- USACO, Platinum Rank 2017
  Highest rank of USA Computing Olympiad
- Future Business Leaders of America, #2 in US for Cyber Security 2017
  Placed 2nd out of 200 national qualifiers

ACTIVITIES/CLUBS

- Eta Kappa Nu (EECS Honors Society)
- Computer Science Undergraduate Association