

Education

Stanford University, Stanford, CA 2013–2018, 2019–2024

- Ph.D. student in Computer Science, focusing on Machine Learning (GPA: 4.0)
- M.S. '18, Computer Science specializing in Artificial Intelligence and Security
- B.S. with Honors '18, Computer Science, Mathematics secondary major
- Skills: Machine Learning, Security, Networking, Python, C/C++, Java, Javascript, SQL

Work and Research Experience

Google, Sunnyvale, CA Jun. 2019–present
Research Intern & Student Researcher

- Created novel machine-learning models that outperform existing approaches on cache eviction

Google Brain, Mountain View, CA Jun. 2018–Jun. 2019
Reinforcement Learning Researcher (AI Resident)

- Designed and implemented a hierarchical reinforcement learning algorithms for systematic exploration and fast transfer, which empirically achieve state-of-the-art results

NLP/RL Research, Stanford University Mar. 2016–Jun. 2018
Researcher advised by Professor Percy Liang

- Designed and implemented a novel reinforcement learning exploration algorithm that outperforms prior algorithms with 100x fewer demonstrations on web-based tasks
- Implemented state-of-the-art systems for executing natural language commands

Bloomberg, New York City, NY Jun. 2015–Sept. 2015
Software Intern

- Created arbitrary keyword searching, filtering, and sorting on ticketing system, which affects all Bloomberg clients, as well as internals

CS 106 Section Leading, Stanford University Jan. 2015–Sept. 2017
Teaching Assistant (3 Quarters)

- Led weekly one-hour session to teach Computer Science topics to Stanford students
- Graded assignments and exams, and gave feedback to students one-on-one

Openproof Logic Project, Stanford University Jan. 2014–Jun. 2015
Teaching Assistant and Software Developer

- Developed and maintained automatic proof-writing software
 - Collaborated on designing and launching a formal logic online course (average review 5/5, enrollment over 100), leading weekly office hours to present formal logic topics
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Selected Publications and Awards

Reinforcement Learning on Web Interfaces using Workflow-Guided Exploration

Evan Zheran Liu*, Kelvin Guu*, Panupong Pasupat*, Tianlin Shi, Percy Liang

International Conference on Learning Representations (ICLR), 2018 (equal contribution)*

From Language to Programs: Bridging Reinforcement Learning and Maximum Marginal Likelihood

Kelvin Guu, Panupong Pasupat, **Evan Zheran Liu**, Percy Liang

Association for Computational Linguistics (ACL), 2017

Co-authored proposal for Stanford AI Lab seed funding (PIs: Percy Liang and Emma Brunskill)
[funded for \$120K]

Co-authored proposal for Amazon Research Awards (PI: Percy Liang) [funded for \$100K]

Co-authored proposal for Google Faculty Research Awards (PI: Percy Liang) [funded for ~\$100K]

NSF Graduate Research Fellowship Recipient, 2018

Reviewer for ACL 2020, ICML 2020