

## Education

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

- Ph.D. student in Computer Science, focusing on Machine Learning
  - M.S. '18, Computer Science specializing in Artificial Intelligence and Security (GPA: 3.93)
  - B.S. with Honors '18, Computer Science, Mathematics secondary major
  - Skills: Machine Learning, Security, Networking, Python, C/C++, Java, Javascript, SQL
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## Work and Research Experience

Google, Sunnyvale, CA Jun. 2019–present  
*Research Intern*

- 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 Research Awards (PI: Percy Liang) [*funded for ~\$100K*]

NSF Graduate Research Fellowship Recipient, 2018

Reviewer for ACL 2020, ICML 2020