

Anthony Liu

Computer Science & Engineering
University of Michigan
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(updated Oct 2021)

Education

09/2019 – present **University of Michigan (CSE)**
Ann Arbor, MI PhD in Computer Science
Advisor: Honglak Lee

09/2015 – 05/2019 **University of Michigan**
Ann Arbor, MI BSE in Computer Science
Minor in Mathematics
GPA: 3.93/4.0
Awards: University Honors
James B. Angell Scholar

Publications

Conference Papers (C)

- C.4 **Liu, A.Z.***, Sohn, S. *, Qazwini, M., Lee, H. (2021) Learning Parameterized Task Structure for Generalization to Unseen Entities **NeurIPS 2021 RL Workshop**. *In submission to AAAI 2022*.
- C.3 Lee, K. H., Fischer, I., **Liu, A.Z.**, Guo, Y., Lee, H., Canny, J., Guadarrama, S. (2020) Predictive Information Accelerates Learning in RL. **NeurIPS 2020**, Vancouver, Canada.
- C.2 Ramesh, D., **Liu, A.Z.**, Song, J., Waytowich, N., Lasecki, W.S. (2020) Yesterday's Reward is Today's Punishment: Contrast Effects in Human Feedback to Reinforcement Learning Agents **AAMAS 2020**, Auckland, New Zealand. May 2020. **Best Student Paper**
- C.1 **Liu, A.Z.**, Guerra, S., Fung, I., Matute, G., Kamar, E., Lasecki, W.S. (2020) Towards Hybrid Human-AI Workflows for Unknown Unknown Detection **WWW'20**, Taipei, Taiwan. April 20-24.

Professional Experience

05/2018 – 08/2018 **Bloomberg L.P. Data Science Intern**
New York City, NY Implemented SOTA active learning algorithms in a framework for various ML teams in Bloomberg.

Awards

10/2017 **Finalist in the University of Michigan's Campus of the Future Design Competition**

Winners received \$25,000 in funding. Won finalist in the competition (Top 5 of 50 teams). The only only-undergraduate team in the Top 5.

Teaching

2017 **Teaching Assistant**

University of Michigan EECS 482 (Introduction to Operating Systems).

Taught discussion, helped draft exams, held office hours. Q. Explained the material clearly: **4.77/5.0** (University median: 4.67/5.0)

2018 **Teaching Assistant**

University of Michigan EECS 492 (Introduction to Artificial Intelligence).

Taught discussion, helped draft homework and exams, held office hours. Q. Explained the material clearly: **4.8/5.0** (College median: 4.5/5.0)

2020 Fall – present **Graduate Student Instructor**

University of Michigan EECS 376 (Introduction to Theoretical Computer Science).

Taught discussion, helped draft homework and exams, held office hours, managed undergraduate instructors and graders for homework creation and grading.