

## Lily Xu

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lily-x.github.io

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	<i>following a study abroad program in Cusco, Peru. Award in \$1,500.</i>	
	James O. Freedman Presidential Scholar	2016
	Willis S. Fitch '17 Metropolitan Washington Scholarship	2015
	Bank of America's Joe Martin Scholarship	2014
RESEARCH EXPERIENCE	<b>Harvard University</b> , Cambridge, MA <i>Doctoral Research Assistant</i> Advised by Prof. Milind Tambe.	2019 – present
	<b>University of Southern California</b> , Los Angeles, CA <i>Doctoral Research Assistant</i> Advised by Prof. Bistra Dilkina and Prof. Milind Tambe.	2018 – 2019
	<b>Dartmouth College</b> , Hanover, NH <i>Undergraduate Senior Thesis Researcher</i> Advised by Prof. Amro Farid.	2017 – 2018
	<i>Presidential Scholar Research Assistant</i> Advised by Prof. Emily Whiting and Prof. David Kotz.	2016 – 2017
WORK EXPERIENCE	<b>Google</b> , Seattle, WA <i>Software Engineering Intern</i>	Summer 2017
	<b>Dyn, Inc.</b> , Hanover, NH <i>Data Analytics Research Intern</i>	Spring 2016
TEACHING EXPERIENCE	<b>Harvard University</b> <i>Head Teaching Fellow</i> CS 182: Artificial Intelligence	Fall 2020
	<i>Guest Lecturer</i> CS 182: Artificial Intelligence	Fall 2020
	<b>Dartmouth College</b> <i>Teaching Assistant, Department of Computer Science</i> CS 31: Algorithms CS 11: Foundations of Applied Computer Science CS 10: Object-Oriented Programming CS 10: Object-Oriented Programming CS 1: Intro to Programming and Computation CS 1: Intro to Programming and Computation CS 1: Intro to Programming and Computation CS 1: Intro to Programming and Computation CS 1: Intro to Programming and Computation	Winter 2017 Spring 2018 Spring 2016 Spring 2015 Spring 2018 Fall 2017 Spring 2017 Winter 2016 Fall 2015
	<i>Teaching Assistant, Tuck School of Business</i> Tuck FWP: Fundamentals of Web Programming Tuck DSA: Data Structures and Analytics	Spring 2017 Spring 2017
	<i>Guest Lecturer</i> CS 11: Foundations of Applied Computer Science	Spring 2018
STUDENTS MENTORED	Emilia Cabrera '21, Harvard College	Fall 2020

PROFESSIONAL  
SERVICE**Program Organization**

Co-organizer, MD4SG Working Group on Environment and Climate	January 2020 –
Co-organizer, CompSust Open Graduate Seminar (COGS)	January 2020 –
Social co-chair, Fourth Workshop on MD4SG	August 2020
Lead organizer, Harvard CRCS Workshop on AI for Social Impact	March 2020
Co-organizer, Computational Sustainability Doctoral Consortium	October 2019

**Program Committee***Conferences*

AAAI Emerging Track on AI for Social Impact (AISI)	2021
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*Workshops*

NeurIPS Workshop on Machine Learning for the Developing World (ML4D)	2020
Fourth Workshop on Mechanism Design for Social Good (MD4SG)	2020
Harvard CRCS Workshop on AI for Social Good	2020
KDD Workshop on Humanitarian Mapping	2020

**Reviewer**

IJCAI Special Track on CompSust and Human Well-being, subreviewer	2020
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## LEADERSHIP

**Ledyard Canoe Club at Dartmouth, Secretary, Canoeing Leader** 2014 – 2018

- Co-governed club functions for over 100 undergraduates. Managed club assets that include \$1M in endowments, a student-run rental business with annual revenues of \$50K, and boats and equipment valued at \$150K.
- Co-organized an Explorers Symposium featuring ten notable speakers, including Olympic racers and members of National Geographic-sponsored expeditions.
- Led a group of twenty-eight students on a nine-day, 220-mile canoe expedition.
- Voted by my peers to receive the Jay Evans '49 Award for service and commitment to the club.

**Fusion Dance Ensemble, Director** 2014 – 2018

- Led a group of fourteen dancers. Choreographed, taught, and performed contemporary and hip-hop dances.

**Dartmouth Sophomore Trips, Co-director** 2015 – 2016

- Planned the Sophomore Trips program for 130 undergraduates across 14 three-day outdoor trips throughout New Hampshire and Vermont.

**Dartmouth First-Year Trips, Grant Crew Volunteer** Summer 2015

- Served on a nine-person crew for a 21-day, round-the-clock commitment to assist with five-day outdoor orientation trips for 1,000 incoming students.

## OUTREACH

**Speaking**

Harvard Women in Computer Science, Panelist	October 2020
GirlsComputingLeague, AIInnovation Business Summit	September 2020
MD4SG and the Environment, Data Science Africa	July 2020
Inclusivity in the Outdoors, Ledyard Canoe Club	July 2020
Dartmouth Women in Computer Science, panelist	May 2020
Harvard SEAS Diversity, Inclusivity, and Belonging, panelist	May 2020
Center for Initiatives in Jewish Education, high school student visit	March 2020

World Science Festival, Science and Storytime	June 2019
L.A. Unified School District (LAUSD), African American Family Day	May 2019
Zoo Magnet High School, College and Career Day	November 2018

### **Mentoring**

InTouch Peer Mentor, Harvard University	2020 –
Women in STEM Mentor, Harvard University	2019 –
Women in Computer Science panelist and mentor, Dartmouth College	2017 – 2018

### **Volunteering**

Graduate Council Outreach Committee, Harvard University	2020 –
Project Teach, Harvard University	April 2020
Presenter, Cambridge Public Schools STEAM It Up!	October 2019
Technical lead, Hustle N' Code hackathon	December 2018
<i>Hustle N' Code is a Los Angeles hackathon for youth in public housing.</i>	
<i>My team won first place, and the four students each received a laptop.</i>	

PRESS

<b>Harvard SEAS</b> , Preventing Poaching.	June 2020
<b>USC Viterbi Magazine</b> , AI is for Animals.	April 2019