Lily Xu

lily.xu@usc.edu
(301) 787 9449

EDUCATION

University of Southern California, Los Angeles, CA
Ph.D. in Computer Science, 2018 – present
Advised by Prof. Milind Tambe and Prof. Bistra Dilkina

Dartmouth College, Hanover, NH
B.A. with Honors in Computer Science, 2014 – 2018
Minor in Spanish
GPA: 3.83 (Magna cum laude)

EXPERIENCE

University of Southern California, Los Angeles, CA
Doctoral Research Assistant   August 2018 – present
- Ph.D. candidate working with WWF Cambodia on predictive modeling and patrol planning to combat illegal wildlife poaching.

Dartmouth College, Hanover, NH
Undergraduate Researcher   September 2017 – June 2018
- Supervised by Professor Amro Farid, built a traditional graph representation of the New England electric grid and compared the graph with one produced through hetero-functional graph theory, a theory developed by Dr. Farid.

Dartmouth College Department of Computer Science, Hanover, NH
Teaching Assistant   March 2015 – June 2018
- Led small-group sections, held office hours, and graded coursework and exams for 12 classes spanning Algorithms, Object-Oriented Programming, Foundations of Applied Computer Science, and introductory classes for undergraduates and Tuck business students.

Google, Seattle, WA
Software Engineering Intern   June 2017 – September 2017
- Prototyped a highly demand feature that automates the scheduling and deletion of infrastructure deployment for the Google Cloud Deployment Manager team. Released work as an open-source project on Google's GitHub.

Dartmouth College Department of Computer Science, Hanover, NH
Presidential Scholar Research Assistant   June 2016 – March 2017
- Supervised by Professor Emily Whiting, developed a digital reconstruction of the historic Moosilauke Ravine Lodge using photogrammetry. Produced an interactive, VR-compatible model that can be viewed on any modern browser.

Dyn, Inc., Hanover, NH
Data Analytics Research Intern   January 2016 – April 2016
- Supervised by Dr. Alin Popescu, developed a process to determine zones of statistical significance in large datasets to analyze latency between servers.

HONORS AND AWARDS	Five Citations for Academic Excellence at Dartmouth College	
	Computational Photography (CS 89.15)	2018
	Latin American Film (Spanish 63.01)	2017
	Computer Graphics (CS 77)	2015
	Object Oriented Programming (CS 10)	2015
	Introduction to Programming and Computation (CS 1)	2014
	Adobe Women-In-Technology Scholarship – Honorable Mention	2017
	Rick Angulo World Experience Award	2016
	For "intellectual openness, enthusiasm, and impressive academic performance" following a study abroad program in Cusco, Peru.	
	James O. Freedman Presidential Scholar	2016
	Willis S. Fitch '17 Metropolitan Washington Scholarship	2015
	Bank of America's Joe Martin Scholarship	2014

SERVICE AND OUTREACH	Volunteer at Hustle N' Code - Hackathon in Los Angeles for youth in public housing developments (December 15, 2018)
	Speaker at the Zoo Magnet's College and Career Day - *Computer Science for Conservation* (November 16, 2018)