

(Harvey) Yiyun Fu

CONTACT INFORMATION	<i>Email:</i> harveyfu@uchicago.edu <i>Homepage:</i> harvey-fin.github.io	
RESEARCH INTERESTS	Natural Language Processing few-shot learning; cross-task generalization robustness; LLM capability evaluation; meta-learning; LLM reasoning abilities	
EDUCATION	University of Chicago , Chicago, IL <i>Ph.D. in Computer Science</i> (Advisor: Ari Holtzman)	2024 - Present
	University of Southern California , Los Angeles, CA <i>Bachelor of Science in Economics & Mathematics</i>	2019 - 2023
RESEARCH EXPERIENCE	University of Chicago , Chicago, IL <i>Research Assistant</i> (Advisor: Ari Holtzman)	Oct 2024 - Present
	<ul style="list-style-type: none">Large Language Model Reasoning Capability AnalysisBenchmarking Language Model Capabilities Over Long-context Inputs.	
	University of Southern California , Los Angeles, CA Allegro Lab & INK Lab <i>Research Assistant</i> (Advisor: Robin Jia and Xiang Ren)	April 2022 - June 2024
	<ul style="list-style-type: none">Large Language Model Hallucination Detection I studied LLM hallucination detection problems with a focus on long-sequence generations by inserting contradictory evidence.Large Language Model Capability Analysis I focused on evaluating the calibration of LLMs through in-context learning and task-level accuracy predictions through a meta-learning process. I also worked on LLM performance predictions through experiment records.	
	University of Southern California , Los Angeles, CA <i>Student Researcher</i> (Instructor: Goran Muric and Keith Burghardt)	Spring 2022
	<ul style="list-style-type: none">Disinformation Detection I studied falsified information detection for generated texts, images, captions, and also web-scraped data from semantic scholar using a decision tree model.	
PUBLICATIONS	Harvey Yiyun Fu , Aryan Shrivastava, Jared Moore, Peter West, Chenhao Tan, Ari Holtzman. AbsenceBench: Language Models Can't Tell What's Missing. <i>preprint</i> [Paper] [Code]	
	Harvey Yiyun Fu , Qinyuan Ye, Albert Xu, Xiang Ren, Robin Jia. Estimating Large Language Model Capabilities without Labeled Test Data. <i>Findings of EMNLP, 2023</i> [Paper] [Code]	
	Qinyuan Ye, Harvey Yiyun Fu , Xiang Ren, Robin Jia. How Predictable Are Large Language Model Capabilities? A Case Study on BIG-bench. <i>Findings of EMNLP, 2023</i> [Paper] [Code]	
INDUSTRY EXPERIENCE	Paragon Partners Asia , Shanghai, China <i>Financial Analyst</i> Built machine learning models to analyze statistical patterns in cash flow statements.	Spring 2022
	Tempo Asset Management Company , Shanghai, China <i>Economic Research Intern</i>	Summer 2021

TEACHING EXPERIENCE	CMSC35300: Mathematical Foundations of ML , UChicago Hold weekly office hours and lead recitation sessions. Instructor: Haifeng Xu and Tian Li	Spring 2025
------------------------	---	-------------

	CSCI170: Discrete Methods in Computer Science , USC Hold weekly office hours to assist with teaching and homework problems. Instructor: Victor Adamchik	Fall 2023
--	--	-----------

	ITP115: Programming in Python , USC Assist with course teaching and grading, and hold semi-weekly office hours. Instructor: Trina Gregory and Barrett Koster	Aug 2022 - Jan 2024
--	---	---------------------

AWARDS AND HONORS	USC Provost's Undergrad Research Fellowship USC Academic Achievement Award	Apr 2023 and Sep 2023 Jul 2021
----------------------	---	-----------------------------------

Last update: Jun 16, 2025