

(Harvey) Yiyun Fu

CONTACT INFORMATION	<i>Phone:</i> +1 (213) 705-7518 <i>Email:</i> harveyfu@usc.edu <i>Homepage:</i> harvey-fin.github.io
RESEARCH INTERESTS	Natural Language Processing few-shot learning; cross-task generalization robustness; LLM hallucination detection; meta-learning
EDUCATION	University of Southern California , Los Angeles, CA 2019 - Present <i>Bachelor of Science in Economics & Mathematics</i>
RESEARCH EXPERIENCE	University of Southern California , Los Angeles, CA April 2022 - Present Allegro Lab & INK Lab <i>Research Assistant</i> (Advisor: Robin Jia and Xiang Ren) <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 Spring 2022 <i>Student Researcher</i> (Instructor: Goran Muric and Keith Burghardt) <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 , Qinyuan Ye, Albert Xu, Xiang Ren, Robin Jia. Estimating Large Language Model Capabilities without Labeled Test Data . Preprint [Paper] Qinyuan Ye, Harvey Yiyun Fu , Xiang Ren, Robin Jia. How Predictable Are Large Language Model Capabilities? A Case Study on BIG-bench . Preprint [Paper]
INDUSTRY EXPERIENCE	Paragon Partners Asia , Shanghai, China Spring 2022 <i>Financial Analyst</i> Built machine learning models to analyze statistical patterns in cash flow statements. Tempo Asset Management Company , Shanghai, China Summer 2021 <i>Economic Research Intern</i>
TEACHING EXPERIENCE	ITP115: Programming in Python , USC Aug 2022 - Present Assist with course teaching and grading, and hold semi-weekly office hours. Instructor: Trina Gregory and Barrett Koster
AWARDS AND HONORS	USC Provost's Undergrad Research Fellowship Apr 2023 USC Academic Achievement Award Jul 2021

Last update: Jul 29, 2023