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| 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; LLM reasoning abilities |
| 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. <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] |
| 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 and Sep 2023 USC Academic Achievement Award Jul 2021 |
| <i>Last update: Oct 29, 2023</i> | |