

Hugh Zhang

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Work Experience

Stealth Startup

Member of Technical Staff

Dec 2024 - present

Scale AI

Senior Research Scientist

Oct 2024 - Nov 2024

Research Engineer

Jan 2024 - Oct 2024

Facebook AI Research

Visiting Research Engineer (with Noam Brown)

Jul 2020 - Jul 2021

Asana

Software Engineer

Sep 2015 - Sep 2016

Internships

Google DeepMind

Student Researcher

Nov 2023 - Jan 2024

Google Brain

Research Intern (with Daniel Duckworth and Arvind Neelakantan)

Jul 2019 - Mar 2020

Stanford NLP Group

Undergraduate Research Intern (with Percy Liang and Tatsunori Hashimoto)

Jul 2018 - Jul 2019

Selected Research (braces denote equal contribution)

Humanity's Last Exam.

{Long Phan, Alice Gatti, Ziwen Han, Nathaniel Li}, Josephina Hu, **Hugh Zhang**, and many, many others.
Nature 2026.

Reconstructing O1 Test-Time Compute Scaling Laws.

Hugh Zhang, Celia Chen.

Twitter thread, 2024.

Planning In Natural Language Improves LLM Search For Code Generation.

Evan Wang, 8 others, and **Hugh Zhang**.

ICLR 2025 (Spotlight).

A Careful Examination of Large Language Model Performance on Grade School Arithmetic.

Hugh Zhang, 12 others, and {Michele Lunati, Summer Yue}.

NeurIPS D&B 2024 (Spotlight).

Chain-of-Thought Reasoning is a Policy Improvement Operator.

Hugh Zhang, David C. Parkes.

ITIF Workshop at NeurIPS 2023.

Human-level play in the game of Diplomacy by combining language models with strategic reasoning.

Meta FAIR Diplomacy Team and {25 others including **Hugh Zhang**}.
Science 2022.

Equilibrium Finding in Matrix Games Via Greedy Regret Minimization.
Hugh Zhang, Adam Lerer, and Noam Brown.
AAAI 2022.

Trading Off Diversity and Quality in Natural Language Generation.
{**Hugh Zhang**, Daniel Duckworth}, Daphne Ippolito, and Arvind Neelakantan.
HumEval Workshop at EACL 2021.

A Simple Adaptive Procedure Converging to Forgiving Correlated Equilibria.
Hugh Zhang.
Senior Thesis (John G. Sobieski Award for Creative Thinking).

Unifying Human and Statistical Evaluation for Natural Language Generation.
{Tatsunori Hashimoto, **Hugh Zhang**}, and Percy Liang.
NAACL 2019 (Oral).

Education

Harvard University (advised by David Parkes)
2021 - 2023

PhD in Computer Science (dropped out)

Stanford University (advised by Gabriel Carroll)
2016 - 2020

BA with Honors in Economics

Honors

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| Kempner Institute Graduate Research Fellowship | 2023 |
| National Science Foundation Graduate Research Fellowship | 2022 |
| US Open (Go, also known as weiqi or baduk), 10th place | 2022 |
| John G. Sobieski Award for Creative Thinking (for my senior honors thesis in Economics) | 2020 |
| USA Computing Olympiad Finalist (top 24 high school students nationally) | 2014 |