

UZAY GIRIT

zef@mit.edu, uzpg.me

EDUCATION

MIT Math & Computer Science

2022 - 2026

Relevant Coursework Inference and Information, Design and Analysis of Algorithms, Theory of Computation, Deep Learning, Abstract Algebra I/II, Topics in Theoretical Computer Science, Quantum I/II

Collège Sévigné, Paris

2015 - 2022

French International Baccalaureate, graduating with honors and perfect scores in Math, CS and Physics

TECHNICAL STRENGTHS

Computer Languages

Python, Rust, JavaScript, Ruby, C++, Crystal, Haskell

Software & Tools

Pytorch, FastAPI, Git, Rails, React, TypeScript, Flask, HTML/CSS

Interests

AI, Algorithms & Systems, Writing, Cybersecurity, Mountain Sports

PUBLICATIONS

- Eric Michaud, Ziming Liu, **Uzay Girit**, Max Tegmark. The Quantization Model of Neural Scaling. *NeurIPS*, 2023.
- Kaivu Hariharan*, Uzay Girit*. Between the Bars: Gradient-based Jailbreaks are Bugs that induce Features, *NeurIPS 2024 ATTRIB and Redteaming Adversaries Workshops*, 2024.

EXPERIENCE

Research in the Isola lab

March 2024-now

Research on in context learning and inner optimization with Minyoung Huh, Tongzhou Wang (both at OpenAI now), and Brian Cheung.

ML Research in the Tegmark Lab

2022 - 2023

Research on language model interpretability and theory of deep learning, leading to a NeurIPS 2023 conference paper.

Dust

2023

Software Intern

Leveraged LLMs to make organizations/individuals work more efficiently, under mentorship of founder and OpenAI alum Stanislas Polu, building a Copilot-like editing interface with advanced retrieval to write alongside LLMs and define different helper agents for unique workflows.

Archivy

2020 - 2022

Founder

Built open-source knowledge base software [Archivy](#) that caters to hundreds of thousands of users (>3k stars on Github) looking to change the way they organize knowledge and find new ideas. Sprouting from this I worked on a powerful semantic search engine for your ideas called Espial.

ADIOS CORONA

2020

Lead Web Developer

Lead developer of Adios Corona, an educational website informing millions on best practices for dealing with the Covid-19 epidemic.

ACHIEVEMENTS

Grand Prize Winner of the 2020 Google Code-In software development competition, top 50/4000

Ranked 14/220000 at the national French [Algoorea 2021 Algorithmics and Informatics competition](#)

Did two directed readings on the statistical mechanics of deep learning and differential topology in January 2023

Co-founder of the competitive [PwnzorZ cybersecurity team](#), winner of the [CastorsCTF](#) competition.

Participant at SPARC 2022 - Summer Program in Applied Rationality and Cognition

Emergent Ventures grantee for career development and AI work

Highly Honorable Mention in the 2020 French National Math Olympiad Finals

Past and current positions: MIT AI Alignment Exec, Council of Math Majors, Mentor for Abstract Algebra II, Climbing Team, MIT Admissions blogger