




Harry Liuson

 LinkedIn |  GitHub |  Personal Website

EDUCATION

University of Michigan

MS in Computer Science

Ann Arbor, MI

August 2025 – Present

University of Rochester

BS in Computer Science, BA in History

Rochester, NY

August 2021 – May 2025

ACADEMIC EXPERIENCE

- **Harry Liuson**, Jianxun Lian, Yuxuan Lei, and Xing Xie, “Low-Parameter Soft-Prompt Learning for Behavioral Adaptation in LLMs,” *Unpublished*, 2024.
- Michael C. Chavrimootoo, Yumeng He, Matan Kotler-Berkowitz, **Harry Liuson**, and Z. Nie, “Evaluating the Claims of ‘SAT Requires Exhaustive Search’,” *arXiv preprint arXiv:2312.02071*, December 2023.*
- Michael C. Chavrimootoo, Yumeng He, Matan Kotler-Berkowitz, **Harry Liuson**, and Z. Nie, “A Critique of Du’s ‘A Polynomial-Time Algorithm for 3-SAT’,” *arXiv preprint arXiv:2404.04395*, April 2024.*
- **Harry Liuson**, Jhair Gallardo, and Chris Kanan, “Revisiting Kickback: A Biologically Plausible Alternative to Backpropagation,” *Unpublished*, 2023.
- Referee for *MFCS 2024*

*Authors listed alphabetically, all authors contributed equally.

WORK EXPERIENCE

Algoverse AI Research

ML Researcher

Remote

July 2025 - Present

- Mentoring multiple teams of undergraduate students in a 12-week research program focused on introducing students to the field of machine learning research and guiding them through the process of conducting and publishing research.

Microsoft Corporation

Research Intern

Beijing, China

May 2024 - August 2024

- Investigated ultra-low-parameter soft-prompt learning for behavioral adaptation in large language models. Demonstrated competitive or superior performance over LoRA and soft-prompting baselines, as well as benefits in terms of adaptability and computational efficiency.
- Received Stars of Tomorrow award, given to the top 10% of interns, for performance at Microsoft.

University of Rochester

Undergraduate Researcher

Rochester, NY

September 2023-May 2024

- REU on Computational Social Choice under Professor Lane Hemaspaandra and Michael C. Chavrimootoo. Research on complexity of election manipulations problems under voting rule uncertainty.

Undergraduate Researcher

December 2022-August 2023

- Research on alternatives to backpropagation under Professor Chris Kanan and Jhair Gallardo. Investigated theoretical properties of Kickback algorithm and empirical performance on image classification and regression tasks.

Teaching Assistant

September 2022-Present

- Teaching Assistant for CSC 246 Machine Learning (Fall 2022), CSC 282 Design and Analysis of Efficient Architectures (Spring 2023), CSC 245 Deep Learning (Fall 2023), CSC 280 Theory of Computation (Fall 2024).

Pulumi Corporation

Software Intern

Seattle, WA

Summer 2022

- Collaborated on first place winning hack week project which served as the prototype for a major improvement of the provider authoring experience.
- Modified the Pulumi plugin loading logic to simplify the workflow for developing new Pulumi plugins