

Arman Behnam

Computer Science PhD Candidate at Illinois Institute of Technology

@ Email | </> LeetCode | LinkedIn | GitHub | Website | Chicago, IL, USA

EDUCATION

Illinois Institute of Technology

Computer Science Ph.D. candidate; College of Computing, Department of Computer Science

Research subject: Causal AI Reasoning; **GPA: 3.6**

Chicago, IL, USA

January 2023 – Present

Advisor: Binghui Wang

WORK EXPERIENCE

Quis, Inc.

Co-Founder

New York, NY, USA

July 2025 – Present

Clarkwestern Dietrich Building Systems LLC

AI Engineering Intern

Merrillville, IN, USA

May 2025 – September 2025, Full-time

Mayo Clinic

AI Research Scientist Intern (Department of Artificial Intelligence & Informatics)

Rochester, MN, USA

May 2024 – August 2024, Full-time

Golrang Industrial Group

Founding Head of Data Science Department

Tehran, Iran

October 2021 – October 2022, Full-time

SKILLS

Python (PyTorch, TensorFlow, Keras, Scikit-Learn, FastAPI, OpenCV, LangChain), C, Java, SQL, R, Docker, Kubernetes, Git, Ray, Azure ML, MySQL, PostgreSQL, GCP, MongoDB, Neo4j

PROJECTS

OCR and RegEx document processing engine | Threads and user programs in OS | 200 LeetCode solutions

MANUSCRIPTS UNDER REVIEW

Personalization Ground Truth with Reasoning Traces from Human-Agent Interaction

Under review at ICLR 2027, Human-agent benchmarking for AI memory (Startup Lab Research)

Certified Causal Identification in Language Models

Under review at ICLR 2027, benchmarking against a complete decision procedure (Fourth year Ph.D. Research)

LEDGER: Identifiable Memory Value from Retrieval Logs

Under review at ICLR 2027, An A-optimality criterion for retrieval tie-breaking (Fourth year Ph.D. Research)

Causal Memory Policy: Identifying Memory Utility Under Retrieval-Mediated Positivity Failure

Under review at ICLR 2027, identification under retrieval-mediated positivity failure (Third year Ph.D. Research)

Structure-agnostic Causal Representation Learning

Under review at NeurIPS 2026, joint structure identification and representation learning (Third year Ph.D. Research)

PUBLICATIONS

Measure-Theoretic Anti-Causal Representation Learning

39th Conference on Neural Information Processing Systems, December 2025 (Second year Ph.D. Research)

Code, Web, Poster

Causal Explanation from Mild Cognitive Impairment Progression Using GNNs

IEEE International Conference on Bioinformatics and Biomedicine, December 2024 (Internship Research)

Video, Code

Graph Neural Network Causal Explanation via Neural Causal Models

18th European Conference on Computer Vision, October 2024 (First year Ph.D. Research)

Video, Code, Poster

ACADEMIC EXPERIENCE

AAAI 2027, NeurIPS 2026 (Silver Reviewer), ICML 2026, NeurIPS 2025

Peer Reviewer

Grading programming assignments and final projects

"Data Privacy and Security" CS528, "Machine Learning" CS484, "Data Structures (by Java)" CS401

Teaching Assistant

American Journal of Lifestyle Medicine, SAGE Journals

Editorial Board

JAMA Network, Journal of Primary Prevention, Journal of General Internal Medicine

Peer Reviewer

HONORS AND AWARDS

Paper Lightning Talk and Poster Presentation

Purdue University; Indiana University

9th and 10th Midwest Security Workshop

November 2024; September 2025

Paper Lightning Talk and Poster Presentation

Toyota Technological Institute at Chicago

2024 NSF TRIPODS Workshop

December 7th, 2024

Poster Presentation

Northwestern University

NSF Site Visit (IDEAL), IDEAL Workshop on Inference in High Dimensions

October 12th 2023, September 18th 2024, October 25th 2025