

Om Bhatt

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EDUCATION

Georgia Institute of Technology

Atlanta, GA

M.S. Computer Science, Machine Learning Specialization, GPA: 3.67/4.0

Aug 2023 – May 2025

Relevant Coursework: AI for Cognitive Science, Computational Neuroscience, Sensation & Perception

Graduate Teaching Assistant – Intro Cognitive Science CS3790, Human and Machine Learning CS7651

University of Illinois Urbana-Champaign

Champaign, IL

B.S. Computer Science and Philosophy, GPA: 3.64/4.0

Aug 2019 – May 2023

Relevant Coursework: Deep Learning for Computer Vision, Ethical Theories, Social Philosophy

SKILLS

Python, PyTorch, TensorFlow, Numpy, Pandas, Go, Java, Docker, R, SQL, Node.js
OpenCV, HuggingFace, XGBoost, Statistics, AI Alignment, Computational Cognitive Science

WORK EXPERIENCE

Language, Intelligence & Thought Lab, GT

Atlanta, GA

Graduate Researcher – Mentor: Dr. Anna Ivanova

Aug 2024 – Present

- Bhatt & Ivanova (2025). *Estimating and Correcting Yes-No Bias in Language Models*. CogSci Proceedings.
- Bhatt & Ivanova (2025). *Dataset-specific LogProbs Estimation As A Tool For Response Bias Correction*. (in review)
- Creating Q/A datasets and probing LMs to explore human-like response bias and token-level bias mitigation.

Independent Research Project, GT

Atlanta, GA

Graduate Researcher – Mentor: Dr. Sashank Varma

Jan 2024 – May 2024

- Tested vision models to see if they process geometric concepts as humans do.
- Compared models to humans using visual tests and mapping architectural features to the brain's visual system.

Synchrony Financial

Champaign, IL

Software Engineer Intern

Jan 2022 – Nov 2022

- Developed a credit card spending control API for a new Buy-Now-Pay-Later feature using Java Spring.
- Developed a user-login process that aims to consolidate 10+ credential validation processes into one tokenized service using Hyperledger Fabric (blockchain) written in Go (hosted on AWS EC2).
- Corresponded with multiple product owners to identify pain points and design workflows for both projects.

ALLVM Research Group, UIUC

Champaign, IL

Undergraduate Research Assistant - Mentor: Sean Bartell, Dr. Vikram Adve

Jul 2021 – Dec 2021

- Worked on testing an LLVM tool that introduced novel code-size reduction techniques via IR-level optimization.
- Wrote shell scripts to extract LLVM bitcode from 30+ Swift, Rust, Python libraries, did test runs & reported results.

PROJECTS

Synthetic Data Generation for Microscopy (Python)

Spring 2024

Implementation of physics-informed generative model (GAN) to generate movement data for simple microorganisms.

k-SAT Problem Solver (Python)

Fall 2023

Implementation of a DPLL algorithm-based solver with multiple heuristics to efficiently solve long CNF formulas.

Artsi (React, Node.js, MySQL)

Fall 2022

A community platform for artists to practice their skills, watch tutorials and share their work.

ACTIVITIES

AI4ALL – Discover AI

Spring 2022

Workshop for college students to learn introductory AI concepts and complete a group project.