

Zain Sarwar

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EDUCATION

The University Of Chicago

Sept. 2021 – May 2025

PhD in Computer Science

Advised by Heather Zheng & Ben Y. Zhao

Lahore University Of Management Sciences

Sept. 2016 – May 2020

Bsc Economics

CGPA : 3.75/4

EXPERIENCE

Teaching Assistant

January 2022 – March 2022

Mobile Computing

- Designed & graded assignments, provided feedback and hosted office hours for 30+ undergraduate students

Research Assistant

June 2020 – August 2021

Lahore University Of Management Sciences

Project on deepfake text detection

- Discovered vulnerabilities in existing techniques to detect deepfake text with an extensive literature review
- Designed and implemented attacks that broke all existing defenses against deepfake text
- Developed robust defenses by using language models to create unsupervised knowledge graphs that detect factual and semantic inconsistencies in deepfake text

Search Engine Optimization Analyst

March 2020 – June 2020

PosterMyWall

- Revamped the SEO strategy by shifting from manual to automatic link building
- Laid down long term plan to adapt to search engines shifting towards using machine learning based algorithms

AWARDS & HONORS

- Crerar Fellowship
- Dean's Honor Roll from 2017-2020
- Academic Scholarship in A-levels

PROJECTS

Senior Year Project

- Ran a randomized control trial in 12 classes for two semesters at LUMS to analyze the impact of cellphone usage on learning outcomes of students
- Analyzed the data using OLS regression, Logistic regression & Analysis Of Variance

TECHNICAL SKILLS

Languages: Python, Java, C++, R, Matlab, GNU Octave

Libraries: PyTorch, TensorFlow, OpenCV, scikit-learn, pandas, NumPy