Hazem Ibrahim

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🎓 Education

**New York University**   09/2023 – present
PhD Computer Science   New York, United States
GPA: 4.0

University of Toronto   04/2020
MSc Computer Science   Toronto, Canada
GPA: 3.93

New York University Abu Dhabi   05/2018
BSc Computer Engineering   Abu Dhabi,
Magna Cum Laude   United Arab Emirates
GPA: 3.88

🏅 Awards

Innovators Under 35 MENA ⧉   2023
MIT Technology Review

Best Parallel Talk ⧉   2024
International Conference on Computational Social Science (IC2S2)

Best Poster Award   2024
International Confernece on Computational Social Science (IC2S2)

Founders Day Award   2018
New York University Abu Dhabi

📖 Publications

TikTok's recommendations skewed towards Republican content during the 2024 US presidential race ⧉
First Author - [Under Review - Nature]

Inclusive content reduces racial and gender biases, yet non-inclusive content dominates popular media outlets ⧉
First Author - [Under Review - Nature Communications]

Analyzing political stances on Twitter in the lead-up to the 2024 US election
First Author - [Under Review - ACL 2025]

A Longitudinal Analysis of Racial and Gender Bias in New York Times and Fox News Images and Articles ⧉
First Author - [Under Review - COLM 2025]

A Tale of Three Location Trackers: AirTag, SmartTag, and Tile
Second Author - [Under Review - IEEE Transactions on Mobile Computing]

Citation manipulation through citation mills and pre-print servers ⧉
First Author - Scientific Reports
Received media coverage from ***Nature*** ⧉ and ***Science*** ⧉

Heritage Language Maintenance: The Case of Bangladeshi Immigrants in Canada
Middle Author - [Under Review - IxD&A]

YouTube's recommendation algorithm is left-leaning ⧉
First Author - PNAS Nexus

Perception, performance, and detectability of conversational artificial intelligence across 32 university courses ⧉
First Author - Scientific Reports
Received media coverage from 160 different news outlets, including ***Scientific American*** ⧉ , ***The Times*** ⧉ , and ***Nature Asia*** ⧉

Rethinking Homework in the age of AI ⧉
First Author - IEEE Intelligent Systems

Big Tech dominance despite global mistrust ⧉
First Author - IEEE Transactions on Computational Social Systems

I Tag, You Tag, Everybody Tags! ⧉
First Author - ACM Internet Measurement Conference

A Multithreaded and Re-convergent Aware Algorithm for Accurate Digital Circuits Reliability Estimation ⧉
Second Author - IEEE Transactions on Reliability

Gamification in Online Educational Systems ⧉
First Author - International Conference on Higher Education Advances

⌨ Working Papers

Large Language Models Exhibit Extreme Partisan Preferences that Influence Political Preferences
Role: Second Author

Causal evidence of racial and institutional biases when granting access to scientific data
Role: Joint First Author

Neutralizing the Narrative: AI-Powered Debiasing of Online News Articles
Role: Middle Author

A better understanding of racial and gender stereotypicality in Hollywood
Role: First Author

Bias at the Borderline: Understanding inequality at the meta-review stage of conference submissions
Role: Joint First Author

Schadenfreude on Facebook
Role: Middle Author

Examining polar partisanship on Twitter across multiple US elections
Role: First Author

💼 Professional Experience

Research Assistant   08/2022 – 08/2023
New York University Abu Dhabi
- Led multiple computational social science research projects on the ethical and behavioral dynamics of social media platform usage.

Associate Instructor - Computer Science   08/2020 – 08/2022
New York University Abu Dhabi
- Instructed introductory and advanced level courses with an average student evaluation of 4.8/5.0.
- Successfully designed, developed, and taught the lab component of the Computational Social Science course.
- Mentored and advised students with regards to their persual of post-graduate studies.

Teaching Assistant - Computer Science   09/2018 – 04/2020
University of Toronto

Software Engineering Intern   05/2017 – 08/2017
Facebook London
- Led a highly successful project to plan and integrate offline compatibility of online features available to advertisers.