

Maaz Bin Musa

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Github: MaazBinMusa

Education

- 2019–Curr **University of Iowa PhD**,
Computer Science GPA – 3.86.
- 2013–2017 **NUCES-FAST Bachelor of Science**,
Computer Science GPA – 3.48.

Experience

- May 2022 – Aug 2022 **Research Intern**, ICSI BERKELEY.
◦ Worked on research project surrounding user privacy
◦ Analyzed abuse of first party cookie to cross site track
- Aug 2019 – Curr **Graduate Assistant**, UNIVERSITY OF IOWA.
◦ Research Assistant at SPARTA lab
◦ Teaching Assistant

Publications

- June 2023 **Forms of Disclosure: The Path to Automated Data Privacy Audits [Paper Link]**.
◦ Mihailis Diamantis, **Maaz Bin Musa**, Lucas Ausberger and Rishab Nithyanand
◦ Auditing privacy policies of data brokers and measuring compliance to CCPA
◦ Published in Harvard Journal of Law and Technology (Forthcoming), 2023
- July 2022 **ATOM: Ad-Network Tomography [Paper Link]**.
◦ **Maaz Bin Musa** and Rishab Nithyanand
◦ A generalizable technique to infer tracker advertiser relationships
◦ Published in Privacy Enhancing Technologies Symposium (PETS) 2022
◦ **Runner-up for the Andreas Pfizmann best student paper award**
- June 2022 **Act or React [Paper Link]**.
◦ Hussam Habib, **Maaz Bin Musa**, Fareed Zaffar and Rishab Nithyanand
◦ Investigating proactive moderation strategies in online community
◦ Published in International Conference on Web and Social Media (ICWSM) 2022
- July 2020 **CanaryTrap [Paper Link]**.
◦ Shehroze Farooqi, **Maaz Bin Musa**, Zubair Shafiq and Fareed Zaffar
◦ Detecting data misuse by third-Party apps on online social networks
◦ Published in Privacy Enhancing Technologies Symposium (PETS) 2020

Current Research Projects

- June 2023 **Exploring obstacles and opportunities in optimizing privacy policy analysis using NLP toolkit**.
◦ Identifying impactful phases of compliance measurement using NLP and identifying potential knowledge gaps

Side Projects

- May 2023 **PDF summary python package**.
◦ Using extractive and abstractive techniques to generate a summary of PDF's
- Dec 2022 **Weather Bot**.
◦ Telegram bot that tells me the weather using prompted image captioning with generative models

Talks & Presentations

Jul 2022 **Ad-Network Tomography PETS'22** [\[Link\]](#).

Oct 2022 **DataSkeptic AD-Tech Series** [\[Link\]](#).

Skills & Interests

Internet Measurements: OpenWPM, Label-Studio, Online Trackers and Advertisers

User Data Rights: CCPA, GDPR

Machine Learning: Statistics, XAI, LIME

Natural Language Processing: Data Wrangling, NLU, LLM's, BERT, Finetuning, T5

Coding Languages: Python, Javascript