

Rumaisa Habib

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EDUCATION

Stanford University

09/23 - Present (Anticipated: 06/28)

PhD - Computer Science (*Advised by Zakir Durumeric*)

- Awarded David Cheriton Stanford Graduate Fellowship
- Relevant Coursework: Topics in Network Security, Incentives in Computer Science, The Modern Internet (audit), Compilers

Lahore University of Management Sciences (LUMS)

08/19 - 06/23

BS - Computer Science (*Senior Thesis: A Framework for Improving Web Affordability and Inclusiveness*)

CGPA: 3.92/4.00

- Graduated with High Distinction
- Placed on Dean's Honor List (2019-22)
- Recipient of Merit Scholarship (2020-23)
- Relevant Coursework: Network-centric Computing, Network Security, Distributed Systems, Topics in Internet Research, Machine Learning, Principles and Techniques of Data Science, Statistics and Data Analysis, Computer Vision

PUBLICATIONS

[Under Submission] Formalizing Dependence of Web Infrastructure

preprint

Rumaisa Habib, Kimberly Ruth, Gautam Akiwate, Zakir Durumeric

Blade: Scalable Source Code Debloating Framework

SecDev '23

Muaz Ali, Rumaisa Habib, Ashish Gehani, Sazzadur Rahaman, Zartash Afzal Uzmi

A Framework for Improving Web Affordability and Inclusiveness

SIGCOMM '23

Rumaisa Habib*, Sarah Tanveer*, Aimen Inam, Haseeb Ahmed, Ayesha Ali, Zartash Afzal Uzmi, Zafar Ayyub Qazi, Ihsan Ayyub Qazi [**Joint first authors*]

A First Look at Public Service Websites from the Affordability Lens

TheWebConf '23

Rumaisa Habib, Aimen Inam, Ayesha Ali, Ihsan Ayyub Qazi, Zafar Ayyub Qazi

Rethinking Web for Affordability and Inclusion

HotNets '21

Ihsan Ayyub Qazi, Zafar Ayyub Qazi, Ayesha Ali, Muhammad Abdullah, Rumaisa Habib

EXPERIENCE

Lahore University of Management Sciences

2021 - 2023

Undergraduate Teaching Assistant

Lahore, Pakistan

- CS678/EE678: Topics in Internet Research (Spring 2023)
- CS334/EE334: Principles and Techniques of Data Science (Fall 2022)
- CS3812: Introduction to Blockchain: Technology and Applications (Spring 2022)
- CS471/EE471/CS573: Computer Networks: Principles & Practices (Fall 2021)

Educative

Feb 2022 - May 2022

Technical Content Engineer, Part-time

Lahore, Pakistan

- Wrote short articles on technical concepts for their website.
- Helped develop a course on computer vision.

TALKS

A Framework for Improving Web Affordability and Inclusiveness

- IAB Bias Workshop (Virtual, Jan 2024)
- University of Washington CHANGE Seminar (UW CHANGE) (Virtual, Nov 2023)
- The ACM Special Interest Group on Data Communication 2023 (SIGCOMM '23) (Columbia University, Sep 2023)

A First Look at Public Service Websites from the Affordability Lens

- The ACM Web Conference 2023 (TheWebConf '23) (UT Austin, May 2023)

SERVICE

External Reviewer

- Internet Measurement Conference (IMC) 2024

Stanford Security Lunch Organizer

09/24 - Present

TECHNICAL SKILLS

Programming languages: C++, C, Python, Go, JavaScript, Haskell **ML/AI:** Numpy, Pandas, Matplotlib, Scikit, OpenCV
Web/App development technologies: HTML, CSS, Django, React, Flutter
Miscellaneous: MySQL, Git, Bash, L^AT_EX, WebPageTest, WebPageReplay, Selenium, Puppeteer, Playwright, ChromeDevTools, BigQuery, PySpark, Wireshark

POSITIONS OF RESPONSIBILITY

Research Assistant, Blockchain Research Group: Guided and led a research group consisting of 10 students to conduct literature review and find potential areas of research within the domain of blockchain technology	June 2022 - Aug 2022
IT & Design Director, LUMS Women in Computing (LWiC): Created and managed LWiC's website (https://lwic.lums.edu.pk) and social media content (https://www.instagram.com/lwic.lums)	Aug 2021 - June 2022

Last updated: April 13, 2025