

SHAARIF SAJID

Georgia Institute of Technology, Atlanta, USA
shaarifsajid.github.io

PROFESSIONAL SUMMARY

I am a Masters student specializing in network security, Internet measurement, and computing systems. I am actively looking for full-time software and security engineering roles.

TECHNICAL STRENGTHS

Languages	Python, C++, C, Go, SQL, JavaScript, HTML, CSS
Software & Tools	Amazon EC2, Microsoft Azure, ZGrab, React Native, Google BigQuery

PROFESSIONAL EXPERIENCE

Georgia Institute of Technology

Graduate Teaching Assistant (Intro to Information Security) *January 2022 - May 2022*

- Duties involved designing quizzes and exams, leading projects, as well as grading. Topics covered include web security, cryptography, database security.

Graduate Research Assistant (under Dr. Paul Pearce)

January 2020 - December 2020

- Used Google BigQuery to analyze Censys data and ZGrab scan results to characterize the prevalence of the Derusbi malware on the Internet.

Lahore University of Management Sciences (LUMS)

Research Assistant (under Dr. Mobin Javed)

Summer 2019

- Uncovered geographical biases in web inaccessibility by implementing web-crawlers and experiments in Python, using websites hosted on Cloudflare.

- Developed a browser extension in JavaScript, HTML and CSS which acts as a security assistant for users by passively nudging them towards better online decisions.

Teaching Assistant (Graduate Network Security)

January 2019 - May 2019

- Duties involved designing and administering programming labs, as well as grading class quizzes, labs and exams. Topics covered include web security, cryptography, blockchains, botnets, network protocols and cloud computing.

COURSE PROJECTS

Georgia Institute of Technology

Network Security

- Performed network and binary analysis on Windows, Linux and Android malware to understand their behaviour and possible mitigations.

Natural Language Processing

- Implemented a bidirectional LSTM-CNN-CRF for sequence labeling. Also worked on analyzing Reddit data to study mental health issues such as PTSD, depression and anxiety.

Lahore University of Management Sciences (LUMS)

Software Engineering

- Developed an Android application, Sportify, using React Native, which helps campus students find partners for recreational sports, based on vicinity, availability and skill level.

RESEARCH PUBLICATIONS

Michael Carl Tschantz, Sadia Afroz, **Shaarif Sajid**, Shoaib Asif Qazi, Mobin Javed, Vern Paxson
A Bestiary of Blocking: The Motivations and Modes behind Website Unavailability
8th USENIX Workshop on Free and Open Communications on the Internet (FOCI 2018), August 2018

Faqia Iqbal*, Saad Jamal*, **Shaarif Sajid***, Shoaib Asif*, Mobin Javed
Towards Building a Support System for User Security Awareness
Poster at USENIX Security '18, August 2018
*Note: * implies equal contribution.*

ACADEMIC HISTORY

Georgia Institute of Technology

MS in Computer Science

August 2019 - present

Relevant courses: Advanced Operating Systems, Secure Computer Systems, High Performance Computer Architecture, Computer Networks, Network Security, Applied Cryptography, Natural Language Processing

Lahore University of Management Sciences (LUMS)

BS in Computer Science (GPA: 3.69/4)

August 2015 - June 2019

Relevant courses: Data Structures, Algorithms, Advanced Programming, Software Engineering, Deep Learning, Principles and Techniques of Data Science