

SHAARIF SAJID

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

PROFESSIONAL SUMMARY

I am a Masters student specializing in network security and computing systems. I am actively looking for full-time software and security engineering/analyst 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

January 2021 - May 2022

Intro to Information Security - CS 6035 (Fall 2021 & Spring 2022)

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

Computer Networking I - CS 3251 (Spring 2021)

- Duties involved grading quizzes, exams. Topics covered include application layer, transport layer (TCP/UDP), network layer, and link layer.

Graduate Research Assistant (under Dr. Paul Pearce)

August 2019 - 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

Aug 2019 - Dec 2022 (Expected)

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