

SHAARIF SAJID

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I am an MS Computer Science graduate specializing in network security and computing systems. I am actively looking for full-time roles in software engineering, information security and cybersecurity.

ACADEMIC HISTORY

Georgia Institute of Technology

MS in Computer Science

Aug 2019 - Dec 2022

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

Lahore University of Management Sciences (LUMS)

BS in Computer Science (GPA: 3.69/4)

August 2015 - June 2019

Relevant courses: Data Structures, Advanced Programming, Software Engineering, Deep Learning

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)

- Topics covered include web security, cryptography, database security, malware analysis.

Computer Networking I - CS 3251 (Spring 2021)

- 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

Network Security

- Performed **network and binary analysis** on 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.

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.

Computer Networks

- Studied and configured **OSPF (Open Shortest Path First)** and **BGP (Border Gateway Protocol)** on routers in a multi-tier small scale Internet to mimic the behavior of real world autonomous systems (AS).