

MIR MASOOD ALI

<https://mirmasoodali.com/>
mali92@uic.edu

EDUCATION

PhD in Computer Science

January 2020 - Present

University of Illinois at Chicago

Advisors: Chris Kanich and Jason Polakis

Master of Computer Science

January 2018 - August 2019

Dalhousie University, Halifax, Canada

Thesis: Coercion Resistant Verifiable Web-based Elections in Linear Time

Supervisor: Srinivas Sampalli

Bachelor of Computer Science and Engineering

July 2013 - June 2017

Visvesvaraya Technological University, India

PUBLICATIONS

Rise of Inspectron: Automated Black-box Auditing of Cross-platform Electron Apps, **Mir Masood Ali**, Mohammad Ghasemisharif, Chris Kanich, Jason Polakis, (To appear) In 33rd USENIX Security Symposium (USENIX Security 24), August 2024, Philadelphia, PA.

Navigating Murky Waters: Automated Browser Feature Testing for Uncovering Tracking Vectors, **Mir Masood Ali**, Binoy Chitale, Mohammad Ghasemisharif, Chris Kanich, Nick Nikiforakis, Jason Polakis, In Proceedings of the Network and Distributed System Security Symposium (NDSS), February 2023, San Diego, CA.

TEACHING EXPERIENCE

Teaching Assistant - Program Design II

January 2020 - April 2020

University of Illinois at Chicago, IL, USA

Terms: Spring 2020

Instructor: Dr. Dale Reed

Language: C++

A TA for this course manages and runs labs, holds office hours for assignments, gives presentations on data structures to groups of 20-30 students at a time

Head Teaching Assistant - Software Engineering

January 2018 - August 2019

Dalhousie University, Halifax, Canada

Terms: Winter 2018, Summer 2018, Winter 2019, Summer 2019

Instructor: Julian Franz

Tools: Android Studio, Firestore (W'19 and S'19: Firebase), CI (Circle and Gitlab), Version Control (GitHub and GitLab), Testing (JUnit, Espresso, Robolectric)

Methodology: Agile, XP, TDD

A Head TA for this course is required to manage and run labs. This includes giving presentations and guiding students through the course project and assignments. TA's are responsible for managing and organizing the tasks of between 3 and 5 groups of 8 members each, besides serving as clients, planning iterations, and developing acceptance tests.

Head Teaching Assistant - Network Security
Dalhousie University, Halifax, Canada

January 2019 - April 2019

Terms: Winter 2019

Instructor: Dr. Srinivas Sampalli

Tools: Wireshark, dig, nslookup, Nessus, Maltego

Programming Languages: Java, Python, C, C++

A Head TA for this course is required to manage and run labs. This includes giving presentations and guiding students through the course project and assignments. Managing the learning management system (Brightspace), marking assignments, creating and distributing rubrics and sample solutions are included. A TA for this course also assists with proctoring examinations.

Teaching Assistant - Data Structures and Algorithms
Dalhousie University, Halifax, Canada

September 2018 - December 2018

Terms: Fall 2018

Instructor: Dr. Srinivas Sampalli

Tools: Eclipse (for Java and Maven)

A TA for this course is required to manage and run labs. This includes giving presentations and guiding students through course assignments. There is additionally an evaluation of project presentations and invigilation besides marking.

SERVICE

Bug Reports	20 cache-based tracking vulnerabilities to 7 browser vendors
Reviewer	ACM TWEB (Publons)
Social Media Chair	MD4SG, ACM EAAMO 2021 & 2022
Mentoring	2 high-school students with their AP-research through ISTI
Member	Computer Society of India (2013-2017)