

Summary of Dr. Irfan Ahmed's Curriculum Vitae

Dr. Irfan Ahmed is an Assistant Professor of Computer Science at Virginia Commonwealth University (VCU) since 2018. Before VCU, Ahmed was a Canizaro-Livingston Endowed Assistant Professor in Cybersecurity at the University of New Orleans (UNO), New Orleans, LA for five years. His research group is the Security and Forensics Engineering (SAFE) Lab. He is also a faculty fellow of VCU Cybersecurity Center.

Research.

Ahmed's research interests are broadly in the area of cybersecurity, currently focusing on digital forensics, malware, cyber-physical systems, and cybersecurity education. Ahmed is a recipient of the ORAU Ralph E. Powe Junior Faculty Enhancement Award, an Outstanding Research Award from the American Academy of Forensic Sciences (AAFS), and the UNO's Early Career Research Prize. He obtained around 3.3 million dollars in research funding from the NSF, NSA, ONR, ARO, ORAU and VA CCI. His research work has received three Best Paper Awards at DFRWS'20, ISC'13, and ICRC'11, and an Outstanding Poster Award at CODASPY'16.

Teaching.

Ahmed taught two core computer science courses:

- CSCI 4311: Computer Networks
- CSCI 4401: Operating System

He also regularly taught cybersecurity courses including the following:

- CMSC 654: Memory and Malware Forensics
- CMSC 414: Computer and Network Security
- CSCI 4621: Introduction to Computer Security
- CSCI 6627: Industrial Control System Security
- CSCI 4623: Computer Forensics
- CSCI 6621: Topics in Network Security and Forensics

Service.

Ahmed is actively involved in academic and university service. His notable achievements include the following at both VCU and UNO.

Virginia Commonwealth University:

- Team Lead to apply for the DHS/NSA National Center for Academic Excellence in Research (CAE-R), 2020
- Team Member to apply for the DHS/NSA National Center for Academic Excellence in Cyber Defense (CAE-CD), 2019
- Graduate Committee Member to oversee master and PhD programs, 2018-to-date
- Team Member of High School Programming Contest to organize the VCU annual programming contest, 2018-to-date
- Faculty Search Committee Member to find a suitable faculty candidate for the CS department, 2019-to-date

University of New Orleans:

- Team Member to apply for the DHS/NSA National Center for Academic Excellence in Research (CAE-R), 2013
- Team Member to apply for the DHS/NSA National Center for Academic Excellence in CyberOperations (CAE-CO), 2014
- Faculty Search Committee Member to find a suitable faculty candidate for the CS department, 1 year (2017 - 2018)
- Departmental Seminar Coordinator to organize departmental seminars regularly, 3 years (2014-2017)
- Undergraduate Grade Appeal Committee to resolve grading issues raised by a student, 4 years (2014-2018)