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I was born in Kenya, Africa. I attended and completed my primary and high school education in Kenya. I proceeded to study at Guilford Technical community college, Jamestown, NC. USA, where I attained my Associates degree in liberal arts. I then joined the University of North Carolina at Greensboro (UNCG) then later transferred to Winston-Salem State University where I graduated Magnum Cum-Laude BS degree in Computer Science in 2004, and MS degree in Computer Science and Information Technology in 2006. I proceeded to earn my Ph.D. in Computer Science from North Carolina A&T State University's College of Engineering.

Research interest

My research interest is in cyber security with a focus on privacy. My research has focused on social network user's attitudes and behaviors towards privacy. By studying social network users attitudes e.g., in Facebook, I have established that there exists a lack of proper privacy settings and I have highlighted the dangers associated with the vulnerability. I have investigated the human factors contributing to such behaviors and suggested possible usability remedies that can be offered by such social network providers. By mapping theories established in the fields of Social Science and Behavioral Psychology with graph theories, I designed and implemented a computational model to categorize Facebook users' behaviors, flagging those with suspicion e.g., social engineering. My broader aim is to expand my research in exploring attitudes, behaviors, implications, and remedies in other online social networks using state of the art machine learning and deep learning technology. My ultimate research goal is to develop an application capable of detecting suspicious online behaviors in the wider Internet environments e.g., Internet hackers and data source attribution in the age of fake news. My other research area of interest is in Internet Protocols e.g., exploring and improving the effectiveness and security of the legacy HTTP and IoT constrained protocols and their applications in Smart environments.

Courses Taught

2008

Spring:

C++ Programming:

C++ / Java, A programmer's view comparative-ARTSI Robotics team internship

CSC1306 Computer and its uses I

CSC2330 Computer and its uses II

CSC2184 Internet Lab

Fall:

C++ Programming:

C++ / Java, A programmer's view comparative-ARTSI Robotics team internship

CSC1306 Computer and its uses I

CSC2330 Computer and its uses II

CSC2184 Internet Lab

2008-2019 Recitation

Spring:

CSC 1310 Java Computer Programming I

CSC 1311 Java Computer Programming II

CSC 2xxx Data Structures

CSC 1308 Introduction to Programming – VB.NET

CSC2310 MIPS Assembly Language

Fall

CSC 1310 Java Computer Programming I

CSC 1311 Java Computer Programming II

CSC 2XXX Data Structures

CSC 1308 vb.net

CSC2310 MIPS Assembly Language

2020

Spring:

Recitation:

CSC1310 Java Computer Programming I

CSC1311 Java Computer Programming II

Fall:

CIT 2310 Introduction to Computer Software Systems

CIT1310 Computer Programming I Java

CIT1311 Computer Programming II Java

2021

Spring:

CIT 1105 Computer Science Colloquium

CIT 1308 Introduction to Programming VB.NET

CSC4001 Special Topics: Software Development- Android

Fall:

CIT 1105 Computer Science Colloquium

CIT 2310 Introduction to Computer Software Systems

CIT 2320 Introduction to Hardware Organization

As a faculty member in my institution at Winston-Salem State university's computer science department, it is always my ever-growing curiosity to explore new and impactful ways of delivering knowledge to our future scientist and researchers in the area (our students) and as such I take with great interest any opportunity to foster this. For example, this Spring semester I participated and completed the ADMI sponsored *Applied Distributed Systems* course with the university of Indiana (IU) with the aim of teaching the course at some level at our university. It is this same enthusiasm that brings me excitement in applying to participate in the upcoming NSF Science Gateway Community Institute-ADS Summer series opportunities. As an active participant of our university's Hackathon groups attendees and committee membership, it would be a great opportunity for me, especially to engage in getting some Hackathon training as well as participating in a hackathon event as will be offered in the ADS Summer series where I can learn more on the subject. Such an experiential learning will be invaluable for my future Hackathon participation and representation for my institution.
