

Nazmus Sakib MIAZI

Ph.D. student, UNC Charlotte

in [linkedin.com/in/sakibnm](https://www.linkedin.com/in/sakibnm) @ github.com/sakibnm
☎ (980) 585 8916 @ mmiazi@uncc.edu
📍 644 Lex Drive, Charlotte, North Carolina 28262
📅 Born on December 01, 1991 in Bangladesh

I am a fourth year Ph.D. student in the University of North Carolina at Charlotte. My research is focused on designing a privacy-preserving localized advertising system utilizing Bluetooth Low Energy Beacons technology. I am passionate about new technologies and their scalable usage. I am a coding enthusiast too. I instruct Android Mobile Application Development course at UNC Charlotte. I envision myself as a successful Usable Privacy researcher and a proficient privacy and security educator.

PUBLICATIONS

- [Honorable Mentions Award] N. S. Miaz, C. A. C. Castro and M. Shehab, "Mobile Users as Advertisers : User Perceptions of Product Sensitivity, Exposure, and Public Influence," 2018 17th International Conference on Mobile and Ubiquitous Multimedia, Cairo, Egypt, 2018. (Not yet available in ACM library).
- M. N. S. Miaz, M. M. A. Pritom, M. Shehab, B. Chu and J. Wei, "The Design of Cyber Threat Hunting Games : A Case Study," 2017 26th International Conference on Computer Communication and Networks (ICCCN), Vancouver, BC, 2017, pp. 1-6.
- M. N. S. Miaz, Z. Erasmus, M. A. Razzaque, M. Zennaro and A. Bagula, "Enabling the Internet of Things in developing countries : Opportunities and challenges," 2016 5th International Conference on Informatics, Electronics and Vision (ICIEV), Dhaka, 2016, pp. 564-569.
- M. Tabassum, M. A. Razzaque, M. N. S. Miaz, and M. M. Hassan. 2016. "An Energy Aware Event-Driven Routing Protocol for Cognitive Radio Sensor Networks." Wireless Design & Development. <https://link.springer.com/article/10.1007/s11276-015-1043-8>.
- M. N. S. Miaz, M. Tabassum, and M. A. Razzaque. 2015. "An Energy-Efficient Common Control Channel Selection Mechanism for Cognitive Radio Ad Hoc Networks." Annals of. <https://link.springer.com/article/10.1007/s12243-014>.

PROJECTS

EXPLORING USERS' PERCEPTIONS OF BEING EMPLOYED AS USER-BEACONS IN THE WILD

CURRENTLY WORKING

We are conducting an exploratory qualitative user study to deeply understand user perspectives on being users-as-beacons. We are exploring the overall comfort of being user-beacons, perceptions regarding interacting with other people around ads, privacy concerns, and what kind of controls and preferences they want to have in the system. We are also exploring the possibility of deploying this kind of system and creating a social web of consumer-generated advertising that reflects users privacy considerations.

QUALITATIVE INTERVIEW INDUCTIVE CODING BLE USERS AS BEACONS

EXPLORING USERS' OPINIONS OF BEING EMPLOYED AS MOBILE ADVERTISERS

FALL 2017

We designed and ran a user study in the university's bookstore, where we deployed our advertising system and explored users' perceptions of being employed as user-beacons based on several key factors including perceptions of public exposure, the sensitivity of products, and peer influence.

ROLE PLAYING QUANTITATIVE EMPIRICAL STUDY ANDROID BLE CONSUMER GENERATED ADVERTISING

DESIGNING A CYBER THREAT HUNTING GAME FOR THE CYBER SECURITY SYMPOSIUM

SPRING 2017

Cyber Threat Hunting is an emerging cyber security activity. Recent studies show that, although similar actions like threat hunting are being actively practiced in some organization, security administrator and policy makers are far from being satisfied with their effectiveness. Most security professionals lack expertise in data analytics while most people with data analytics skills lack security knowledge. To understand the necessity of threat hunting education at university level, we organized a *Threat Hunting Competition* on campus with generated logs. We identified the skills needed for cyber threat hunting as well as the usage of logs to teach threat hunting at universities.

CYBER THREAT HUNTING DATA ANALYTICS

EDUCATION

Pursuing Ph.D. in Computing and Informatics, The University of North Carolina at Charlotte
March, 2013 Bachelor of Science in Computer Science, The University of Dhaka, Bangladesh

SKILLS

Programming	Java C/C++, Microsoft .Net (C#), Swift, Python, PHP, SQL
Mobile Application Development	Android, iOS
Web Application Development	HTML, CSS3, Javascript, Node.JS
User Research	Storyboarding, Think aloud, Cognitive walkthrough, Role playing, Heuristic evaluation
Prototyping tools	Justinmind, HTML/CSS3, OmniGraffle, LucidChart

EXPERIENCES

Currently Sept, 2017	Course Instructor GTA, MOBILE APPLICATION DEVELOPMENT, UNC Charlotte <ul style="list-style-type: none">> Preparing course materials.> Instructing hands-on Android programming in-class.> Preparing assignments and designing the tasks.> Managing the logistics. <div>ANDROID GUI LAYOUTS LISTS HTTP APIS SQLITE FIREBASE CLOUD DATA AND STORAGE</div> <div>MAPS AND GEO</div>
Aug, 2017 Sept, 2016	Graduate Teaching Assistant, MOBILE APPLICATION DEVELOPMENT, UNC Charlotte <ul style="list-style-type: none">> Coordinating other TAs as the lead TA.> Helping the student hands-on to make them understand the topics.> Helping the instructor to prepare assignments and design the tasks.> Grading. <div>ANDROID GUI LAYOUTS LISTS HTTP APIS SQLITE FIREBASE CLOUD DATA AND STORAGE</div> <div>MAPS AND GEO</div>
Aug, 2016 Sept, 2015	Graduate Research Assistant, CYBERDNA RESEARCH CENTER, UNC Charlotte <ul style="list-style-type: none">> Applying data analytics methods to solve cyber threat problems.> Designing a framework for cyber threat hunt project. <div>DATA ANALYTICS R PYTHON VISUAL ANALYTICS</div>
Jul, 2015 Jan, 2012	Undergraduate Research Assistant, GREEN NETWORKING RESEARCH GROUP, University of Dhaka <ul style="list-style-type: none">> Working in a project named, "Driver Distraction Management Using Sensor Data Cloud"> Integrating location based services with cloud.> Building sensing hardware prototype with Raspberry PI.> Managing cloud server and database. <div>VPS RASPBERRY PI GOOGLE CLOUD AMAZON AWS</div>

OTHER INFORMATION

Awards

- > ICT Fellowship, awarded by Ministry of Posts, Telecommunications and Information Technology, Government of the People's Republic of Bangladesh. 2014.

Languages

- > **Bangla**: Expert, native.
- > **English**: Verbally expert.

REFERENCES

Mohamed Shehab

Associate Professor

SOFTWARE AND INFORMATION SYSTEMS

@ mshehab@uncc.edu

☎ 704 687 7476

Heather Richter Lipford

Professor

SOFTWARE AND INFORMATION SYSTEMS

@ Heather.Lipford@uncc.edu

☎ 704 687 8376