

# Nyteisha Bookert

## EDUCATION

**Ph.D. Computer Science**, Department of Computer Science, North Carolina Agricultural and Technical State University, Expected May 2023

Dissertation Title: Privacy Threat and Vulnerability Analysis of the Internet of Medical Things: A Study from Privacy Policy Perspectives

Advisor: Mohd Anwar, Ph.D.

**M.S. Computer Science**, Department of Computer Science, North Carolina Agricultural and Technical State University, May 2017

**B.S. Computer Science**, Department of Mathematics & Computer Science, South Carolina State University, May 2015

## PUBLICATIONS

**N. Bookert**, W. Bondurant and M. Anwar, Data Practices of Internet of Medical Things: A Look from Privacy Policy Perspectives, Smart Health, 2022

## Workshop Papers

**N. Bookert**, M. Almousa, and M. Anwar, Inclusive Privacy Design for Older Adults Living in Ambient Assisted Living, Workshop on Inclusive Privacy and Security (WIPS 2022) at SOUPS, August 7, 2022

**N. Bookert** and M. Anwar, Privacy Threats on the Internet of Medical Things, Workshop on Privacy Threat Modeling (WPTM 2022) at SOUPS, August 7, 2022

**N. Bookert**, J. Brown, and M. Anwar, Assessing Privacy Risks of Healthcare Devices in Smart Homes, Designing for Data Awareness: Addressing Privacy and Security Concerns About “Smart” Technologies Workshop at CSCW, October 24, 2021

## AWARDS AND HONORS

2022 **Security Scholar**, RSA Conference

2022 **Recipient**, Graduate Student Award for Outstanding Senior Graduate Teaching Assistant for College of Engineering

2022 **Fellow**, BlackComputeHER Fellows Program

2019 **Recipient**, NC A&T Chancellor’s Distinguished Fellowship

2017 **Recipient**, CyberCorps®: Scholarship for Service

## **PRESENTATIONS AND POSTERS**

**2022 Will Examining Internet of Medical Things (IoMT) devices in the smart home environment reveal new privacy threats?**, RSA Conference, San Francisco, CA

**2022 Ransomware Detection Using Machine Learning Techniques**, MS-CC Ransomware Security and Cyberinfrastructure Workshop, North Carolina A&T State University, Greensboro, NC

## **TEACHING EXPERIENCE**

### **North Carolina Agricultural & Technical State University**

Database Design (Fall 2020) [online]

GenCyber Camp [Summer 2022] [online]

## **RESEARCH EXPERIENCE**

### **North Carolina Agricultural & Technical State University**

2020 -2022 Human-Centered AI Lab

Applying machine learning and natural language processing techniques to detect privacy vulnerabilities in IoT devices from privacy policies.

## **COMMUNITY INVOLVEMENT/OUTREACH**

2022 Counselor, Meta Building Learners of Computer Science (BLOCS)

2022 Facilitator, STEAM DREAMS Coding Program

2021 Facilitator, STEAM DREAMS Coding Program

2021 Speaker, Young Lady Leaders

2020 Speaker, Supporting Independent Sisters to Achieve Success (S.I.S.T.A.S) initiative

2019 Speaker, Supporting Independent Sisters to Achieve Success (S.I.S.T.A.S) initiative

2019, Co-Founder, Golden Door Foundation

## **SKILLS**

Programming: Python, Java, C++, C

Research Interests: Privacy, Internet of Things, Cybersecurity, Human-Computer Interaction, Computer Science Education

## **WORK EXPERIENCE**

2017 –2019 **Naval Information Warfare Center Atlantic** Scientist & New Professional

2016 **Department of Homeland Security** IT Specialist (INFOSEC)

2015 **Lawrence Livermore National Laboratory** Cyber Defender

2014 **Lawrence Livermore National Laboratory** Computational Scholar