

Ebelechukwu Nwafor

EDUCATION

HOWARD UNIVERSITY, Department of Systems and Computer Science
Doctor of Philosophy in Computer Science
Dissertation Topic: “Trace-based Data Provenance for Cyber-Physical Systems”
Advisor: Dr. Gedare Bloom

Washington, DC
May 2018

NORFOLK STATE UNIVERSITY, Department of Computer Science
Master of Science in Computer Science
Thesis: “Prototype implementation of a self-protecting security framework for CDA documents”
Advisor: Dr. George Hsieh

Norfolk, VA
May 2013

CHEYNEY UNIVERSITY OF PENNSYLVANIA,
Bachelor of Arts in Computer and Information Science

Cheyney, PA
May 2011

APPOINTMENTS

Villanova University
Assistant Professor

Villanova, PA
Aug 2019- Present

- Tenure-track Assistant Professor in the Department of Computing Sciences where I teach Introduction to Cybersecurity, Introduction to Python, Introduction to Data Science, Data Structures, and Principles of Database.

Howard University
Assistant Professor

Washington, DC
Aug 2018- May 2019

- Instructor for the newly formed Howard University-Google Initiative (also known as Google techexchange). My responsibilities involves teaching Theory of Computation and Intro to Networking courses.

Embedded System and Security Lab, Howard University
Research Assistant/Project Lead

Washington, DC
Jan 2016- July 2018

- The goal of this project is to provide a framework that collects provenance data on memory constrained cyber-physical systems. This information is used to provide anomaly detection on memory contained cyber-physical systems.

PUBLICATIONS

- Nwafor,E., Olufowobi, H. “Towards an Interactive Visualization Framework for IoT Device Data Flow.” in the Proceedings of the Second International Workshop on the Internet of Things Data Analytics (IoTDA), Los Angeles, California. December 2019
- Nwafor, E., Anietie, A. *A Survey on Machine Translation work on Nigerian Languages*. in the Proceedings of the 13th International Conference on Language Resources and Evaluation (LREC 2022).
- Nwafor, E., Su, S. “*Detecting Network Traffic Intrusions on Memory Constrained Embedded Systems*.” In the Proceedings of the 2021 Virtual IEEE International Symposium on Technologies for Homeland Security.
- Nwafor, E., Kolimago, C., Vaughn, R., Covid Vaccine Sentiment Analysis by Geographic Regions. In the Proceedings of the IEEE Big Data Workshop for COVID-19.