OREOLUWA WILLIAMS
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EDUCATION

Bachelor of Science in Computer Science, GPA 3.510   May 2025
Minor in Mathematics
Towson University, Towson MD
- Dean's List: Spring 2022 – Fall 2023

Relevant Coursework: Data Structures and Algorithms, Cryptography, Principles of Computer Organization, Operating Systems, Database Management, Software Engineering, Data Communication and Networking, Computer Science, Calculus I & II, Cyber Security, Statistical Methods, Discrete Mathematics, Public Speaking, Computers and Creativity, Writing for Business, and Industry, Chemistry I & II, Intro. To Information Technology, Introduction to Health Studies

RELEVANT COMPUTER SCIENCE PROJECTS

EDA project: COVID hospitalizations in Pennsylvania, CMU, Pittsburgh, PA   June 2024
- Practiced understanding the structure of a dataset, generating and evaluating hypotheses using fundamental EDA and data visualization techniques to examine change in variables corresponding to COVID hospitalizations over time using R (programming language).

Software Engineering, Towson University, Towson, MD   Spring 2024
- Worked in a group of five to create a web development using GitHub as our means of collaboration. Learning how to use React to create the frontend using JavaScript, html, and CSS. Creating the backend database using MySQL

Operating Systems, Towson University, Towson, MD   Spring 2024
- Searched and manipulated dummy directories and files in Linux using cp, touch, grep, and obj dump commands

Introduction to Cryptography, Towson University, Towson, MD   Fall 2023
- Encrypted and decrypted data and the distinct types of Ciphers like Hill and Affine Ciphers in Python
- Worked in group of 4 on projects and discussion questions of ciphering, deciphering and the different modes of operations

Data Structures and Algorithms, Towson University, Towson, MD   Fall 2023
- Learned about the basic techniques used to design and analyze algorithms

Computer Science I&II, Towson University, Towson, MD   Spring 2022 & Fall 2022
- Developed, implemented, and debugged object-oriented Java programs like a Vehicle Class and an ATM program

TECHNICAL SKILLS / CERTIFICATIONS

Programming: C++, Java, R (Intermediate), Python, C, JavaScript, HTML, CSS (Beginner)
Software: Microsoft Office (Word, PowerPoint, Excel, Access), Wireshark, Linux, MySQL, Agile development (Beginner)
Certifications: IC3 Digital Literacy Certification, Pearson VUE (Aug 2023), **Learning Excel Desktop (Microsoft 365),** LinkedIn (July 27, 2023), **Cybersecurity Management Virtual Experience Program,** Forage (May 1, 2023)
Working on my Security+ and Network+ Certification

RELEVANT EXPERIENCE

Healthcare Technology Research Intern with United Health Group, CMU, PA   June- July 2024
- I worked in a group of 4 to analyze Premature deaths focusing on the research topic "Do income inequality, unemployment and high school completion rates affect the number of premature deaths of certain racial groups at the county level?" working with County Health Rankings Data 2024.
- We used EDA's and Modelling techniques to build models to predict premature deaths such as Multiple Linear regression, Ridge regression, Lasso regression and Random Forest.

Research on Analyzing and Detecting Emerging Internet of Things Malware, TU, Towson, MD   Oct 2023- Jan 2024
Worked with a Professor to do research with Louis Stokes Alliances for Minority Participation Program (LSAMP). I was able to apply my in-class knowledge and gain hands-on-experience.
- Worked with datasets and analyzed them using Android and IoT malware detection
- Used CyberIOCs to gather fresh and recent IoT malware for our IoT malware dataset

Kearney and Company Externship Program Software Engineering Team, Virtual   July- Aug 2023
- Collaborated in teams to solve a case study and work on problem-solving skills
- Attended career advice panel and participated in networking events

WORK EXPERIENCE

Science Complex Building Manager Assistant, Towson University, Towson, MD   Feb 2022- present
- Wrote instructions and checked first aid kits, changed temperature charts, and meter readings weekly

- Collaborated with team with five people on projects assigned and used organizational skills to track events

Math Peer Tutor, Towson University, Towson, MD   Aug 2022 - present
- Tutor math students to ensure understanding of concepts using active listening and problem solving skills

Solutions Family Healthcare Center   Jan - Feb 2024
- Ensured that computer systems worked properly through troubleshooting and providing timely solutions

AWARDS / SCHOLARSHIPS

Mid-Atlantic CIO Forum Scholarship award of $5000, Towson University, MD   Jun 4, 2024
College Reading and Learning Association International Tutor Training Program, Level 2 certified   April 5, 2023
Towson University, MD
Mason Mathematical Sciences Olympiad, George Mason University, Fairfax, VA   Mar 31, 2023
Ranked third
CVS Health Foundation Retail Management Scholarship Award of $1000, Towson University, MD   June 25, 2022

MEMBERSHIPS/AFFILIATIONS

Hill Lopes Scholars Program $1000, Epsilon Cohort Towson University, MD   June 2023-present
Cyber Defense Club, Member, Towson University, Towson, MD   Mar 2022-present
Sister Scripters, Member, Towson University, Towson, MD   Oct 2022-present
Student Representative for the Diversity Organization, Towson University, MD   Mar 2023- Dec 2023

COMMUNITY/VOLUNTEER INVOLVEMENT

Eye usability study to help make better charts, Towson University, Towson, MD   April 2023
Worked to help with kids suffering from Cerebral Palsy, Lagos, Nigeria   Mar 2017-Sep 2019
Participated in a share baby donation drive to help support kids, Towson, MD   May 2022
Participated in a Walk to End Alzheimer, Towson University, Towson, MD   Sep 2021- May 2022