

Zephaniah N. Ansah

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EDUCATION

William & Mary, Williamsburg, VA

Expected Graduation, May 2027

Bachelor of Science (B.S.) in Computer Science - Minor in Business Administration

Related Coursework: Data Structures, Demystifying Data, Linear Algebra, Business Statistics, Business Analytics, Data Science.

EXPERIENCE

William & Mary Esports

Williamsburg, Virginia

Esports Pioneer

Sept 2024 – Present

- Collaborate with graduate student Eddie Kim to enhance the William & Mary Esports Website using Cascade CMS, improving navigation, accessibility, and user experience.
- Apply user-centered design principles to optimize site structure, with the goal of increasing engagement from students, alumni, and esports community members.

William & Mary Esports

London, United Kingdom

Speaker at Esports Research Network 2024 Conference (remote)

May 2024 – Nov 2024

- Co-authored and presented research on psychological, social, and economic drivers behind cheating in esports, evaluating impacts on competitive integrity and industry trust.
- Investigated and assessed anti-cheat technologies (Riot Vanguard, Easy Anti-Cheat) and proposed data-driven frameworks for combating dishonest gameplay.
- Published abstract *Champion or Cheater? Where World Collide in Competitive Gameplay*, presented at ERNC24 and accessible via. [View Here](#)

Wren Scholar Program, William & Mary

Williamsburg, Virginia

Undergraduate Researcher, SEA-PHAGES Program

Sept 2023 – April 2024

- Conducted genomic data analysis of bacteriophages (Mycobacterium smegmatis host) using DNA Master for auto-annotation (GeneMark, Glimmer, Aragorn, tRNAscan-SE) and manual curation of gene calls, start sites, and functional assignments.
- Applied comparative genomics with Phamerator to identify gene families (Phams), visualize genome maps, and assess sequence similarities across the Actinobacteriophage database.
- Performed wet lab procedures including DNA isolation, gel electrophoresis, and transmission electron microscopy to characterize two temperate phages (Deb65 – 55,767 bp, 97 genes; DocMcStuffins – 58,159 bp, 90 genes) with siphoviridae morphology.
- Used bioinformatics pipelines within the SEA Virtual Machine (PECAAN, Newbler, Consed, Starterator) to validate assembly accuracy, flag discrepancies, and refine annotations.
- Submitted final annotated genomes to GenBank and contributed findings to the SEA-PHAGES global research database for cross-institutional comparative studies.

ACTIVITIES AND LEADERSHIP

AI Club

Williamsburg, Virginia

Active Member

August 2023 - Present

- Engaged in AI projects, discussions, and peer collaboration on emerging technologies.

Open Volleyball Team

Williamsburg, Virginia

President

Aug 2025 – Present

- Organize practices, manage team communications, and foster inclusive participation.

SKILLS

Languages: R, SQL, Python

Tools: Microsoft Excel

Libraries: Pandas, matplotlib, dplyr, Numpy