

Oluwagbemiga (Gbemi) Odebode

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PURPOSE STATEMENT

A strategic and critical thinker known for driving change by tackling challenges. Passionate about computational biology, neuroscience, and medicine. Determined to pursue higher education and a meaningful research career.

RESEARCH & TEACHING EXPERIENCE

Research Intern

October 2023 - Present

Center for Neural Basis of Cognition (CNBC) - Carnegie Mellon University, University of Pittsburgh

- Utilizes MATLAB, electrophysiology, and psychophysics to model and understand abstraction in primates.
- Investigates the neuropathologies of higher function and decision-making.

Teacher's Assistant

September 2024-Present

Avonworth High School

- Provides auxiliary classroom support in advanced chemistry and introductory programming classes.
- Mentors students to succeed in the sciences and technology.

Mathematics and Science Tutor

September 2023 - Present

- Engages with students to foster a stronger understanding of coursework.
- Develops lesson plans with practice problems for on-demand geometry and chemistry lessons.

PAPERS, PRESENTATIONS & POSTERS

"Are Perceptual Decisions Influenced by Working Memory?" Poster, Paper, Pittsburgh Regional Science & Engineering Fair
O. Odebode April 2024

- Investigated the relationship between working memory and perceptual decision-making using computational neuroscience and psychophysical methods.

"Let's Grab a Bite to Eat: How does where you live affect how well you can eat?" Poster, Presentation, The Data Jam
O. Odebode, R. Theobald, S. Shafiq, P. Swiatkowski April 2024

- Used statistical methods with public datasets to investigate food insecurity in Western Pennsylvania. Held a key role in project management, data organization, and programming.

ACHIEVEMENTS

Honors & Awards

- NCWIT Aspirations in Computing High School Award National Winner February 2025
- 1st Place, Behavior & Social Science Senior Division, Pittsburgh Regional Science and Engineering Fair April 2024
- Xerox Award for Innovation and Information Technology April 2024
- NCWIT Aspirations in Computing High School Award Western PA Affiliate Rising Star February 2024

EDUCATION

Avonworth High School

August 2021 - June 2025

GED, Class of 2025 - 4.0 GPA

- Related Course Work
 - Advanced Placement:
 - Chemistry, Biology
 - Calculus AB
 - English Language & Composition
 - Independent Studies:
 - Scientific Research & Application
 - Introduction to Computer Programming with Python
 - Electives
 - Honors Physics
 - Forensic Science
 - Introduction to:
 - Psychology, Sociology, Data Science, Neuroscience

University of Pittsburgh

September 2024 - Present

College-in-High School Coursework - 4.0 GPA

- Intermediate Programming with Java, 2024-2025
- Neural Basis of Cognition, 2025 (Audit)

Carlow University

August 2023 - June 2024

College-in-High School Coursework - 4.0 GPA

- Anatomy and Physiology I & II, 2023-2024

Community College of Allegheny County

June 2023 - July 2024

Summer Coursework - 4.0 GPA

- Probability and Statistics, 2024
- Medical Terminology, 2023

RELEVANT ACTIVITIES & LEADERSHIP ROLES

Active Positions & Promotions

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| • Pathway Leader, Health & Medicine Pathway <ul style="list-style-type: none">◦ Member: 2022-2024 | September 2024 - Present |
| • Content Editor, Avonews [School Newspaper] <ul style="list-style-type: none">◦ Chief Social Media Coordinator: 2023-2024◦ Co-Social Media Editor/Senior Staff Writer: 2022-2023◦ Staff Writer: 2021-2022 | September 2024 - Present |
| • Member, Data Jam | December 2023 - Present |
| • Member, Math League | August 2022 - Present |
| • Student, Westinghouse Science Honors Institute: | October 2023 - March 2024 |