

Oluwagbemiga (Gbemi) Odebode

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PURPOSE STATEMENT

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

EDUCATION

Massachusetts Institute of Technology

August 2025 - Present

Bachelors of Science, Class of 2029

Cambridge, MA

- Major: Computation and Cognition (Course 6-9)
 - Minor: Philosophy (Course 24-1)
- Active Positions
 - Executive Officer, Brain and Cognitive Science Society
 - Member, MIT Consciousness Club
 - Member, Pre-health Scholars
 - Member, African Students Association
 - Member, Alpha Phi Zeta Phi Chapter
 - Member, Biotech Club
 - Member, Women in Electrical Engineering and Computer Science

Avonworth High School

August 2021 - June 2025

High School Diploma, Class of 2025 - 4.0 GPA

Pittsburgh, PA

- Top 10 Percent (2021-2025)
- National Honors Society (2024-2025)
- Global Scholar (2025)

ACHIEVEMENTS

Honors & Awards

- MIT CAPD Career Exploration Fellowship April 2026
- 1st Place, Biology Senior Division, Pennsylvania Junior Academy of Science May 2025
- Excellence in Basic Science Research in Biological Sciences, Carnegie Mellon Biological Sciences Department April 2025
- NCWIT Aspirations in Computing High School Award Western PA Winner March 2025
- 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

SKILLS

Key Skills and Talents

- Programming Languages: MATLAB, Java, Python
- Foreign Languages: Yoruba (Nigeria), Korean, Latin
- Healthcare: Adult & Pediatric CPR, First Aid

RESEARCH & TEACHING EXPERIENCE

Research Assistant

June 2026 - August 2026

Department of Psychological & Brain Sciences - Johns Hopkins University

Advisors: C. Firestone

- Independent research into color perception and interaction with language

Research Assistant

June 2026 - August 2026

Department of Urban Studies and Planning - Massachusetts Institute of Technology

Advisor: J. Steil

- Systematically identifying and analyzing restrictive covenants
- Uses machine learning and manual review of property deeds to identify restrictive covenants in Massachusetts

Research Assistant

February 2026 - Present

Picower Institute for Learning and Memory - Massachusetts Institute of Technology

Advisors: D. Sakellidou

- Data analysis and model creation to better quantify the connectivity of the human brain

Research Assistant

January 2026

McGovern Institute for Brain Research - Massachusetts Institute of Technology

Advisors: K. Durairvel, T. Regev

- Literature review concerning the human language network.

Research Intern

October 2023 - August 2025

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

Advisor: S. Shushruth

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

PAPERS, PRESENTATIONS & POSTERS

“A Topographic Map of Sensory, Motor, and Memory Neurons in the Dorsolateral Prefrontal Cortex,” Poster, Presentation
O. Odebode Pittsburgh Regional Science & Engineering Fair
April 2025

“The American Dream: Civic Engagement Across the White-Picket Fence,” Poster, Presentation
O. Odebode, R. Theobald, H. Amick, S. Cavanaugh The Data Jam
April 2025

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

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