

Chidubem Valentine Ezikeoha

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EDUCATION

Howard University

Washington, D.C

Bachelor of Science in Computer Science

Aug 2022 – May 2026

- **Relevant Coursework:** Applied Data Structures & Algorithms, Calculus, Discrete Mathematics, Software Development Studio, Theory of Computation, large-scale programming (Java), Web development, Linear Algebra, Cybersecurity, Artificial Intelligence, Mobile App Development (IOS)
- **Affiliations:** Brilliant Black Minds, ColorStack, National Society of Black Engineers

EXPERIENCE

Howard University Research

Washington, D.C

Undergraduate Researcher

Sept 2025 – May 2026

- Improved Alzheimer's prediction models by training ML models on acoustic-linguistic features, reducing RMSE by 25%+ over baseline.
- Engineered multimodal machine learning pipelines integrating speech audio and natural language features for robust multilingual inference.

Intuit

Mountain View, CA

Software Engineer Intern

May 2025 – Aug 2025

- Developed scalable automation infrastructure for QuickBooks Online using TypeScript and Playwright, increasing test coverage across 40+ production user workflows and managing version control with Git.
- Engineered maintainable automation frameworks to validate complex role-based access control, reducing manual testing effort while improving software reliability.
- Collaborated with cross-functional engineering teams to translate customer feedback into production bug fixes and improved user experience.

Howard University Research

Washington, D.C

Undergraduate Researcher

Jun 2024 – Dec 2024

- Optimized neural text-to-speech pipelines by improving multilingual audio preprocessing and text segmentation, reducing synthesis artifacts in long-form speech.
- Improved speech model accuracy by 20% by preprocessing audio data and extracting high-fidelity speaker embeddings for multilingual synthesis

PROJECTS

Buddy's Brain (Winner of Bisonbytes AI track Hackaton) | *React, Fast API, Vercel, Railway*

Feb 2025

- Developed Buddy's Brain, an AI-powered educational assistant, improving student access to resources by retrieving answers 3x faster through semantic vector search and GPT-4o integration.
- Designed an intuitive React interface with responsive layouts and accessibility-conscious UI patterns across desktop and mobile devices.

FinBuddy | *Python, React, Vercel*

Feb 2023

- Developed an interactive financial literacy app, incorporating an LLM API to offer personalized financial advice, resulting in a 30% increase in user engagement.
- Simplified complex financial topics, improving financial literacy for users with diverse backgrounds.

SKILLS

Languages: Python, C++, TypeScript, JavaScript, Swift

Technologies: Git/GitHub, Figma, Xcode, Linux, Vercel

Frameworks: React, Firebase, FastAPI, Playwright

LEADERSHIP

Howard University Catholic Ministry, *President*

Aug 2025 – May 2026

- Planned weekly masses, fellowships, and events for the ministry of 60+ people

Undergraduate Teaching Assistant

Aug 2025 – May 2026

- Scientific Computing for Engineers - Python and Java