

Kanyinsola Owoeye

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EDUCATION

University of Houston

Houston, TX / USA

Bachelor of Science; Computer Engineering

December 2026

- **Relevant Coursework:** Circuit Theory I/II, Digital Logic Design, Programming in C/C++, Microprocessor systems
- **Awards et al.:** IEEE Member, UH Academic Excellence Scholarship, College Board National Recognition Award

PROJECTS

Two Way Traffic Light Controller - Digital Logic Design

JULY 2025

- Designed a traffic controller circuit for a two-way intersection using AND, OR, and D flip-flop gates on a breadboard.
- Created a simulation in LTSpice with 100+ test cycles to validate timing sequences before hardware implementation.
- Utilized oscilloscopes and function generators to confirm signal integrity, achieving 100% synchronized traffic cycles.
- Applied finite state machine (FSM) principles and minimized state bits for efficient logic design.
- Debugged a circuit with **15+ logic components**, strengthening skills in digital logic and hardware troubleshooting.

Operational Amplifier Poster Presentation | University of Houston

NOVEMBER 2024

- Designed a technical poster using engineering visualization tools, highlighting operational amplifier configurations (inverting, non-inverting, integrator, differentiator) and real-world applications in signal processing.
- Selected by professor to represent the Circuit Analysis I course at the UH CEA Open House (~70 attendees).
- Developed and executed a live hardware demo with breadboard circuitry and measurement equipment (oscilloscopes, function generators) to illustrate amplifier behavior under varying input conditions.
- Delivered technical explanations to an audience of 70+ prospective students, faculty, and industry visitors.

Data Cleaning & Database Development — Real Estate Appraisal Records (10,000+)

OCTOBER 2022

- Engineered and automated a data pipeline to clean and structure 10,000+ commercial and residential appraisal records using Python (pandas) and SQLite.
- Designed and deployed a searchable SQLite relational database, enabling efficient querying of appraisal datasets.
- Standardized raw data fields, removed duplicates, and resolved inconsistencies, improving data accuracy by 95%.

PROFESSIONAL EXPERIENCE

Starbucks Corporation

Richmond, TX / USA

Barista

JULY 2025 – Present

- Interact and serve 200+ customers per shift, providing efficient and friendly service in a fast-paced environment.
- Process \$2,000+ in transactions per shift with 100% accuracy across cash, credit, and mobile payments.
- Prepare all food items by Starbucks quality and safety protocols, ensuring consistency across 100+ drink variations.
- Uphold Starbucks' values by fostering a welcoming environment and creating positive connections with guests.
- Collaborate with a team of 10+ partners to manage peak-hour rushes, and maintain customer satisfaction scores.

HP Tech Ventures Externship Program

REMOTE

Corporate VC & Business Analytics Extern

AUG 2024 – SEP 2024

- Engaged in meetings with HP Tech Ventures leadership, gaining exposure to corporate VC decision-making.
- Authored an investment summary evaluating an early-stage AI startup and risk analysis.
- Designed a Tableau dashboard on 20+ global AI startups, highlighting funding and industry impact.
- Strengthened skills in data visualization, market research, business analytics, and professional communication.

ADDITIONAL

LANGUAGES: English (Native Speaker), French (Elementary), Yoruba (Elementary)

TECHNICAL SKILLS: LTSpice, Python, C/C++, JavaScript, MATLAB, HTML/CSS, Tableau, SQL, Figma

OTHER EDUCATION: HCC Associate of Science, AWS Fundamentals of Machine Learning & AI Course

ELIGIBILITY TO WORK: U.S. & Canadian Citizen

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