Temilola Bola-Raji

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EDUCATION

Houston Christian University | Houston , Texas **Expected May 2029**
Bachelor of Science |Electrical Engineering | GPA: 3.88 ; Deans List
Minor: Cybersecurity

SKILLS

Technical Software: Microsoft Office Suite (Excel, Outlook, PowerPoint, Word)
Programming Languages: Python, Lua
Hardware: Breadboard Circuit Design, Soldering, VEX Robotics, Sensors
Operating Systems: Windows, Linux, macOS, Android
Certifications: AutoCAD, Fusion 360

RELEVANT EXPERIENCE

ICode Coding Instructor, Houston, TX May 2026- Present

- Taught students ages 7–14 Lua and Python programming, CAD design, and 3D printing through hands-on projects that develop problem-solving, creativity, and technical skills.

PROJECTS

Temperature Dependent Speed Controller **Oct 2025 - Dec 2025**
Arduino IDE, Python, LTspice, Fusion 360, 12C, UART, SPI, PWM, AutoCAD

- Researched sensor applications and microcontroller functionality relevant to collecting driving-related data
- Practiced breadboard setup, component identification, and circuit planning as part of early prototyping
- Developed a foundational understanding of how hardware components interact within an embedded system
- Documented design ideas, challenges, and learning progress for future implementation

Raspberry Pi Network Security Monitor **Jan 2026 - Mar 2026**
Raspberry Pi, Python, Linux, Networking, TCP/IP, Nmap, Bash

- Engineered a Raspberry Pi-based network monitoring system to identify connected devices and provide visibility into local network activity
- Implemented Python scripts to automate device discovery, IP address tracking, and basic open-port analysis
- Applied Linux command-line tools and networking concepts to analyze device connectivity and network behavior
- Documented system architecture, testing results, and security observations throughout the development process

GlareGuard | Independent Electronics Project **Nov 2025- Present**
Arduino, Sensors, Circuit Design, Breadboarding, Python

- Designed an electronics concept to address windshield glare caused by sunlight while driving
- Explored sensor-based methods for detecting changing light conditions
- Planned circuit components and control logic for an automated glare-reduction system
- Applied electrical engineering concepts to develop and refine an early-stage prototype

LEADERSHIP & PROFESSIONAL STUDENT ORGANIZATIONS

National Society of Black Engineers- Member & Chapter Vice President Aug 2025 – Present

AWARDS/SCHOLARSHIPS/GRANTS

Grace Hopper Scholarship, Full Tuition Scholarship
Dean's List- Spring 2026