

OBINNA HENRY NWAGWU

github.com/objunior | linkedin.com/in/o-henry-nwagwu | henrynwagwu.me | 913-244-5521 | o.henry.nwagwu@gmail.com

EDUCATION

University of Kansas | *B.S. Computer Science, Minor in Math* | *GPA 3.72/4.00* *May 2028 expected*

- **Relevant Courses:** Digital Logic Design, Embedded Systems, Software Engineering, Discrete Structures, Operating Systems, DSA, Computer Architecture, Machine Learning, Theory of Computing, Modern Algebra, Linear Algebra

EXPERIENCE

SelectQuote - Software Engineering Intern (FinTech) | Overland Park, KS | May 2026 - August 2026

- Co-architecting and developing a full-stack internal financial platform using **Flask** to streamline the tracking and recovery of missing capital through the corporate appeals process.
- Engineering database querying utilizing **SQL** to pull, manipulate, and reconcile complex financial datasets for agent review.
- Participated in code reviews, integration testing, and Agile sprints to deploy production-ready software solutions.

University of Kansas IT - Student IT Technician (Helpdesk) | Lawrence, KS | *May 2025 – November 2025*

- Processed inbound support requests via phone, email, chat, and in-person, ensuring efficient response and resolution times.
- Maintained security and confidentiality standards in compliance with FERPA and departmental policies when handling user data and account access.

The Trade War Lab - Research Assistant / Lead Developer | Lawrence, KS | October 2025 - Present

- Built a web-based trade war simulation platform utilized to model complex U.S.-China negotiation scenarios in research and classroom environments
- Applied the TIES framework and structured datasets to analyze regional impacts of trade policy

Sardius Media - Software Engineering Intern | Kansas City, MO | September 2023 - May 2024

- Engineered frontend features and interactive UI components using **React** and responsive design principles.
- Utilized Agile methodologies, like sprint planning and team design sessions to optimize user interfaces

PROJECTS

TerraNova - Trading Real World Commodities | XRPL, Typescript

- Built platform to enable companies to tokenize their RWAs, and allow users to trade them, using the **XRP Ledger**.
- Overall we won the tracks for **Best Business Analysis** and **Best Use of the XRP Ledger**
- Built for an education cohort capstone, cohort consisted of a series of talks and work shops about the web3 ecosystem

Echidna - Rootkit C2 Agent | C, Rust, Linux Kernel

- Developed kernel-level offensive tooling integrating with the Mythic C2 command-and-control framework as part of the VICEROY cybersecurity research program
- Personally built a Ring-3 (userspace) rootkit targeting the Linux kernel (tested on 6.14), with network/process/file hiding, privilege escalation, and removal prevention

VBRCC | Rust, C, x86_64 Assembly

- Built a basic C compiler in Rust from scratch, implementing custom parser, lexer, AST, and code generation
- Also built custom assembler subcrate that encodes Intel-syntax x86_64 assembly directly into raw machine bytes

ACTIVITIES

Kansas Blockchain Institute (KUBI) - Member | Sep 2024 - Present

- 1st Place (Beginner Track) and 3rd Place (XRPL Track) at 2025 and 2026 Midwest Block-a-thons
- Competed in University Blockchain Conference hackathon; MLH Hack Night winner

Midwest VICEROY Institute (MVI) - VICEROY Scholar | University of Kansas

- Awarded \$6,500 cybersecurity scholarship; engineered kernel-level rootkit agent (Echidna) for red-team simulation.
- Completed training in 5G/6G network security and cyber operations (recon., penetration testing, persistence techniques)
- Placed 7th/50 teams in the national Viceroy Cyber Competition (advanced CTF)

Certifications

CompTIA | Security+

June 2025

GIAC | Foundational Cybersecurity Technologies (GFACT)

May 2024

SKILLS

Languages: Python, JavaScript/TypeScript, C/C++, Rust, Solidity, SQL

Frameworks/Libraries: React, Next, Astro, TailwindCSS

Tools: Git, Postman, Docker, Node, Linux, Windows, SSMS