

LEONEL KACHIE TAKOUDJOU

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Detail-oriented **computer science** professional with a **bachelor's in computer science** and a solid technical background through two internships. Leveraging expertise in **cybersecurity, software/web development, data science/analytics and project management** to drive innovation and contribute to company success. Fluent in both French and English. Certified in **IBM Cybersecurity Fundamentals**.

EDUCATION & CERTIFICATIONS

University of Houston Downtown (UHD), Houston, TX.

05/2025

Bachelor of Science: Computer Science (GPA: 3.73)

Awards: 3rd Place in 2024 GMIS STEM Zone Competition; \$1500 UHD Scholars Academy Scholarship

Memberships: UHD Scholars Academy (since 2024); National Society for Black Engineers (NSBE) (since 2023)

Courses: Network Security, Network Architecture, Operating Systems, Database Management, Digital Logic, Software Engineering

Certifications: IBM Cybersecurity Fundamentals

12/2024

INTERNSHIP EXPERIENCE

TrueLeap, Houston, TX.

Digital Literacy Intern

09/2024 – Present

- Supported emerging countries' development and implementation of digital literacy programs in French and English.
- Conducted research on best practices and emerging trends in digital literacy and tailored programming.
- Created and curated educational content for events and courses on computer science.
- Supported team of 20 in delivering digital literacy training sessions.

Technology Dept – LSC, Houston, TX.

07/2024 – 08/2024

System Analyst Cybersecurity Intern

- Utilized **Azure Defender**, and KQL for real-time threat detection and insights.
- Optimized Linux and **VirtualBox** environments, securing software testing and reducing risks.
- Identified vulnerabilities via Wireshark and Nmap, enhancing network security.
- Documented cybersecurity threats, supporting proactive defense strategy development.
- Collaborated across 5 tech teams, expanding knowledge of interconnected tech disciplines.

EMPLOYMENT HISTORY

Academic Scheduling Coordinator, Enrollment Management – UHD, Houston, TX.

10/11/2023 – Present

- Supported Director of Academic Scheduling & Integrated Services with maintaining academic class schedule year-round.
- Utilized **Ad Astra Scheduler**, course/event/programs scheduling software, to research and assign most appropriate instructional space to academic classes.
- Negotiated classroom trades and troubleshoot solutions with ~8 department chairs, satisfying student needs.

PROJECT EXPERIENCE

Computer Science & Engineering Technology Dept. – UHD, Houston, TX.

08/2021 – 12/2024

Network Architecture

- **Developed a simulation program** to emulate an 8-port Ethernet switch, implementing frame learning, address storage, and forwarding protocols. Generated detailed input/output data files and demonstrated program functionality through rigorous testing.
- **Utilized Wireshark Packet Analyzer** for comprehensive network analysis, including interpreting packet exchanges, identifying server interactions, and analyzing data transmission protocols to optimize network efficiency.

Software Engineering

- Developed front end of advanced encryption system using Java to protect users' information from cyber-attacks.
- Collaborated with team of 3 through GitHub for version control and code integration.

JPMorgan Chase Software Engineering Virtual Experience on Forage

06/2024 – 06/2024

- Set up local dev environment by downloading necessary files, tools and dependencies in VisualStudio.
- Fixed broken files in repository to make web application output correctly.
- Used company's open-source library called Perspective to generate live graph that displays data feed in clear and visually appealing way for traders to monitor.

Tapia-MoLSSI Computational Chemistry Workshop - Rice University, Houston, TX.

06/2023 – 06/2023

- Examined tabular data and file parsing using Python's NumPy library to plot data on graph using matplotlib Python library.
- Modified code to generate 36 different butane structures using z-matrix and Python psi4 API.

LEADERSHIP & ACTIVITIES

Captain - Amaanah Lions (Soccer Team), Houston, TX.

08/2021 – Present

- Won HFA 2B Championship.