

Joshua Olaoye

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[LinkedIn](#)

EDUCATION

San Diego State University

Bachelor of Science in Computer Science

Expected Graduation: December 2025

GPA: 3.3

TECHNICAL SKILLS

- **Languages:** C++, C#, CSS, Java, JavaScript, HTML, Python, R
- **Operating Systems:** Windows, Mac OS, Linux
- **Software knowledge:** Agile, Scrums, Software Design and Architecture, Command line prompts, scripting and automation, Git, AWS cloud, Microsoft Office(Excel)
- **Certifications:** CompTIA A+, CompTIA Security+

PROJECTS EXPERIENCE

Virtual Machine Attack

Summer 2023

- Established concurrent virtualization environments for both Windows and Linux operating systems.
- Configured a Linux virtual machine (VM) to deploy C2 payloads into a Windows VM and extracting Windows VM information through the C2 session. Additionally, conducted attacks on the Windows VM by extracting process dumps from memory.

Linux Kernel

January 2024 – May 2024

- Configured and managed a subnet with 3 Linux(Rocky, Ubuntu, Solaris) and 2 BSD(OpenBSD, FreeBSD) VM distributions to implement a comprehensive UNIX environment, setting up a domain name server, a mail server, a web server, and a network file system.
- Automated system maintenance and orchestration tasks using shell scripting, along with building and installing a custom kernel for enhanced performance and functionality.

WORK EXPERIENCE

System Engineer Intern, Northrop Grumman | Huntsville, AL

June 2024 – August 2024

- Collaborated with senior engineers and stakeholders to gather and analyze system requirements, ensuring alignment with project objectives and government and company standards.
- Conducted emissions security compliance reviews for new buildings, servers, and infrastructure projects; identified points of weakness and reported findings to management for remediation.
- Participated in team meetings and workshops to review and refine system requirements, contributing to cohesive and effective project planning and execution.

Desktop Support Technician, RCG Cornerstone Assembly | San Diego, CA

January 2020 – Present

- Conducted proactive monitoring of system performance and resolved issues, identifying potential bottlenecks before they escalated, resulting in a 15% boost in system uptime.
- Manage software and hardware inventory, guaranteeing precise tracking and reducing inventory discrepancies by 10%.

Undergraduate Research Assistant, NanoFAB.SDSU | San Diego, CA

September 2021- May 2023

- Led a research project examining cyber/data security challenges in Brain-Computer Interfaces (BCI) and proposed a blockchain-enabled framework to address these concerns. Presented findings at SDSU's 2022 Student Research Symposium.
- Assisted professor and master's students in gaining deeper insights into research (Brain-Computer Interfaces (BCI)) through conducting literature reviews, documenting outcomes, and highlighting key findings for research team presentations.

LEADERSHIP + EXTRACURRICULAR ACTIVITIES

Scholar, STEM Advantage | San Diego, CA

August 2024- Present

- Cultivated mentorship relationship with a Senior Business Analyst with biweekly touch-base.
- Participated in professional development workshops and industry career panels.

CybORG Technical Officer, Cyber Risk Organization | San Diego State University, CA

August 2024 – Present

- Organized cybersecurity workshops(projects), company site visits, and general body meetings that align with the club's purpose and to engage its members.
- Managed the club's website using HTML, CSS and JavaScript, updating content and implementing new features to improve user satisfaction.

NSBE Treasurer, National Society of Black Engineers | San Diego State University, CA

August 2024 – Present

- Organized and executed events, workshops, and meetings that align with the club's purpose.
- Monitored and tracked all club income and expenses, met with school representatives about funding, reimbursements, and allocation of funds.

NSBE Academic Excellence Chair, National Society of Black Engineers | San Diego State University, CA

January 2024 – May 2024

- Attended weekly board meeting and biweekly general body meetings, collaborating with executive board on meeting topics, events, and the growth of the club.
- Led chapter study nights during finals season, fostering a stronger community and encouraging collaboration between members.