

Selassie Kwame Esiape

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EDUCATION

Brigham Young University

Dec 2025

B.S. Information Systems Management (3.8 GPA)

- Member – Association for Information Systems
- Member – Brigham Young Management Society
- Currently pursuing both a Bachelors and Masters Degree in Information Systems Management
- Specialized Courses: Intro to Information Systems, Computer Programming with C++, Machine Learning in Python, Data Communications, Enterprise Application Development, Digital Forensics

SKILLS

JavaScript, React, NodeJS, Python, HTML, CSS, SQL, MySQL, PostgreSQL, Excel VBA, Git, GitHub, Tableau, Linux, VS Code, GitLab, WordPress, Bootstrap, PatchManager, UVE Explorer, AutoCAD, Revit, Azure, AWS, Docker, Scrum

WORK EXPERIENCE

Brigham Young Office of Information Technology

Aug 2022 – Present

Network Office Specialist

Provo, UT

- Documented installation of new switches, routers, and servers as part of a major network upgrade project, resulting in a **30%** increase in network speed and improved reliability.
- Successfully upgraded network infrastructure by migrating from legacy to high-performance hardware and software, improving network speed and stability.
- Utilized Python and Data Analysis skills to migrate more than **5000** Network Jack modules from NetDoc to PatchManager
- Led the creation of detailed network infrastructure maps using AutoCAD for Brigham Young University resulting in a **30%** in accuracy regarding visual inspections.

PROJECT EXPERIENCE

Mass Password Changer

Sept 2023

Sole Developer

- Automated the password change process, reducing manual effort by approximately **75%**, significantly enhancing productivity.
- Reduced average password reset time from 5 minutes to 1 minute per user, saving approximately **3 hours** in total reset time for a network of 30 users.

Ad Blocker Project using Raspberry Pi

Aug 2023

Sole Developer

- Utilized Linux and Python to develop backend configurations for ad detection and blocking, contributing to an estimated **75%** reduction in unwanted ads and pop-ups during browsing
- Collaborated with online communities and forums to stay updated on the latest ad-blocking techniques, resulting in continuous improvements to the project and a notable **25%** increase in ad-blocking effectiveness.

SIEM Security Analyst Project

May 2024

Sole Developer

- Spearheaded the configuration of Azure Sentinel workbooks to visualize global attack data, specifically RDP brute force attacks, on a world map. This visualization enabled the identification of attack hotspots and patterns, contributing to a **75 %** increase in the efficiency of threat detection and response.
- Developed and executed a custom PowerShell script, automating the extraction of metadata from Windows Event Viewer. This process facilitated the forwarding of data to a third-party API, resulting in a **20 %** increase in efficiency in deriving geolocation data.
- Configured Log Analytics Workspace in Azure to ingest custom logs containing geographic information (latitude, longitude, state/province, and country)

Certifications

Professional Scrum Master Certification by Scrum.org

Oct 2023