Axel Awey

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EDUCATION

George Mason University – Alexandria, VA   July 2026 (Expected)
Bachelor of Science in Computer Science
Relevant coursework: Introduction to Comp. Sci., Discrete Mathematics, Data Structures & Algorithms, Calculus 1

SKILLS

Programming: Python, Bash, Scripting, AES, SSH(Secure Shell Hashing), Linux
Technology: AWS, HTML, CSS, Javascript, Docker, AWS VPC
Database: SQLite, MySQL

INTERNSHIP EXPERIENCE

Albion College AmeriCorp Sustainability Internship - Intern | Albion, MI   May 2022 - Aug 2022
- Assisted in the formation of an automation system for a future plan to introduce Solar-powered electricity on campus.
- Contributed to the renovation of the college's student farm and Albion Community Garden in order to broaden and introduce healthier meal options for students on campus as well as the community.
- Researched different methods and mechanisms to aid the growth of the college's grass bodies and floral establishments.

PROJECTS

RandPass Gen | [View Project](#)
An HTML Random Password Generator that generates strong passwords with customizable lengths and options including digits and special characters.
- Designed & built an **HTML** version of my basic Python random password generator using **JavaScript**.
- Utilized **cryptographic algorithms** to generate strong, unique passwords that meet numerous security requirements.
- Developed a **user-friendly** interface with easily customizable features such as password length and character set selection.

cryptvault.- Encryption & Decryption Application | [View Project](#)
A Python project that allows you to encrypt and decrypt messages using various cryptographic algorithms, the features are encryption**:** Encrypt your messages using advanced cryptographic algorithms. Decryption encrypted messages back to their original form along with a user-friendly interface that allows users to perform this function.
- Studied & Implemented SSH strategies for **secure hashing**.
- Utilized **AES (Advanced Encryption Standard) algorithms** for data to be encrypted and decrypted.
- Designed and constructed an **HTML** and **Python** project to create an app that executes encryption and decryption on data.

typetrack. - Python Keylogger Application | [View Project](#)
A Python keylogger application that logs keystrokes of a user & provides results for keylogging sessions altogether.
- Designed & built a simple GUI from scratch using **"tkinter"** and **"ttkbootstrap"** to display real-time results.
- Utilized the **'pynput'** library to be able to record and log keystrokes in real-time, ensuring complete accuracy.
- Implemented functionality to log keystrokes to a text file, providing a clean record of user input.
- Ensured and developed callback functions to handle key press and release events, ensuring smooth operations and logging.

Taskmaster: retro to-do app | [View Project](#)
A Python To-Do list application using "tkinter" and SQLite for the GUI and Storage, this application allows users to improve scheduling and time management by planning their tasks and errands.
- Architected and implemented a task list application using the Python **"tkinter"** library.
- Utilized **SQLite** as a database engine for basic string storage.
- Implemented functionality with Python library tools **"pandas"** and **"tkcalendar"**.

CERTIFICATIONS

- **Certifications**: [Codepath Cybersecurity](#)

ORGANIZATIONS

CodePath |Member| Remote   March 2023 - Present
Colorstack| Member|Remote   May 2023 - Present
Karat |Remote   March 2024 - Present