Ashton Schoolfield

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EDUCATION

James Madison University   **Harrisonburg, Virginia**
B.S. in Computer Science   *Expected Graduation, May 2026*
- **Minor:** Information Systems
- **Related Coursework:** Data Structures & Algorithms, Software Development, App Development, Object-Oriented Programming, Machine Learning, Calculus, Statistics & Applications

EXPERIENCE

Davis Defense Group(DDG)   **Aquia, Stafford**
IT/Cyber Admin Intern   *May 2024 – July 2024*
- Assisted new users in setting up their accounts with Microsoft Azure, ensuring seamless onboarding and resolving technical issues promptly
- Provided top-notch support to users, troubleshooting and resolving problems efficiently, and improving overall user satisfaction
- Gained hands-on experience managing Azure Active Directory, including user account creation, password resets, and group policy management

Global Career Accelerator Internship   **Remote**
Intern   *May 2024 – July 2024*
- Utilized SQL and Tableau to extract, analyze, and visualize complex data sets, uncovering insights that drove business decisions and process improvements
- Developed strong proficiency in SQL, Python, and data visualization tools, with the ability to apply these skills to drive business outcomes and improve process efficiency
- Worked closely with cross-functional teams to integrate data insights into business strategy, demonstrating the ability to communicate complex technical concepts to non-technical stakeholders and drive business results through data-driven decision-making

PROJECTS

Intel Data Center Location Analysis   May 2024 – July 2024
- Analyzed Intel data using SQL queries and Tableau visualizations to evaluate energy usage patterns.
- Identified optimal locations for a new data center based on energy availability and sustainability criteria.
- Presented findings recommending the Mid-Atlantic region, particularly California, as a prime location for the data center.

Dog Breed Information Application/Game   *Jan 2024 – May 2024*
- Designed and developed a comprehensive dog breed information application using Java, leveraging the Dog API for data fetching. The application features a user-friendly interface, allowing users to:
- Search and filter dog breeds by name, weight, height, and life expectancy
- Implemented an interactive matching and guessing game within the application, enhancing user engagement and knowledge of dog breeds

MadZip File Compression Utility   Apr 2024 – May 2024
- Implemented a robust and efficient compression algorithm using priority queues and hash maps to build and traverse Huffman trees, resulting in successful file compression and decompression while applying theoretical concepts to practical scenarios
- Demonstrated proficiency in Java programming by leveraging object-oriented programming principles to design and develop the file compression utility, ensuring efficient and maintainable code.
- Achieved high compression ratios with Huffman coding, showcasing advanced expertise in algorithm design and data compression techniques.

SKILLS

Programming: Python, Java, SQL, JavaScript, HTML/CSS, C
Tools: VS Code, Eclipse, Jupyter Notebooks, Tableau, Git/Github, Agile(Scrum), Azure