

Alexander D. Steele

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Computer Science student deeply committed to technology and exceptional problem-solving in both theoretical and practical realms. Eager to apply and further refine skills through real-world applications.

TECHNICAL PROFICIENCIES -

- Python (Pandas, NumPy)
 - MS Excel
 - SQL (Postgres & SQLite)
 - C++
 - Java (Spring)
 - Git + GitHub + GitLab
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PROJECTS -

Optimal Package Delivery Routing for "WGUPS" | Python

- Developed Python app to optimize package delivery routes, adhering to time constraints and minimizing distance
- Utilized Dijkstra's algorithm for shortest-path calculations based on a distance matrix
- Created custom classes Address, Inventory, and Truck for encapsulating delivery nodes, package management, and vehicle status
- Enabled dynamic updates to delivery requirements such as time constraints and address changes
- Implemented real-time package status look-up function for supervisors
- Documented code extensively, following industry-standard Python style guidelines

Dynamic Rental Frequency Reporting System | SQL

- Engineered a dynamic reporting system using PostgreSQL to analyze film rental frequencies based on their MPAA ratings.
- Implemented advanced SQL techniques, including triggers, stored procedures, and custom functions, for real-time data updating.
- Designed the system to continually refresh summary data, enabling actionable insights for inventory and marketing decisions.

Portfolio Website Powered by Webflow | ashimzed.github.io

- Designed a responsive portfolio to showcase professional journey
 - Implemented custom modifications post-export for personalized touches
 - Leveraged Git for version control and hosted on GitHub Pages for global accessibility
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RELEVANT EXPERIENCE -

IT Contractor | Intech Southwest

May 2023 - present

- Deliver specialized technical support and guidance to a diverse range of clients, ensuring their IT systems function smoothly and efficiently
 - Collaborate closely with clients to decipher their specific needs, and tailor IT strategies to meet and exceed those requirements
 - Leverage software such as Jamf for device management
 - Configure database for project-specific inventory
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EDUCATION -

Western Governor's University
Bachelor's in Computer Science
currently attending

RELEVANT COURSEWORK -

- Advanced Data Management
 - Scripting and Programming Fundamentals & Applications
 - Version Control
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OUTSIDE INTERESTS - Culinary Arts, Fitness, & Continuous Learning