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| Gracen Alleman    Gracen Alleman  Alleman | | | | | |
| OBJECTIVE  Seeking a role that allows me to engage with the community, mentor others, and drive systems of social change. I am passionate about urban design, mathematics, and data science.  Relevant coursework  Advanced topics in Data Science  Advanced Geographic Information Systems  Principles in Computer Science: Python  Databases  Differential Equations  hard and Soft SKills  QGIS  R Studio  Python  Excel  Word  Leadership skills  Well organized  Flexible and self-directed  Collaborative community member  ConfeREnces and awards  Presidential and Sustainability Scholarship at Warren Wilson College  Presenter, Southeast Section of the Mathematical Association of America 2024  Attendee, NC GIS Conference 2023 |  | EXPERIENCE | |  |
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| May 2024-AUG 2024Summer Intern | North Carolina Department of Transportation | Raleigh, NC  * Created a Power BI dashboard using Python to aid in decision-making for ramp metering on highways * Developed a sample Power BI dashboard to visualize data from a database * Transformed latitude and longitude data into mile markers on highways and mapped highway events alongside a height map of speed data * Updated and converted traffic signals timing patterns  Sep 2023-presentITS and Data Crew Leader | Warren Wilson College | Swannanoa, NC  * Divides tasks and manages schedules for 6 Data Crew members * Organizes and tracks college assets * Setting up computers and other electronics * Resolves complex IT issues for users * Deploys internet systems * Tutors in Statistics, Python, Computer Science, and Data Science  Oct 2022-Mar 2023Research Assistant Advocacy with Data | Warren Wilson College | Swannanoa, NC  * Analyzed census spatial data and integrated it with CDC social vulnerability data * Utilized R Studio to develop statistical models identifying areas of food insecurity * Created clusters to identify significant correlations in data * Employed QGIS software for place-based data analysis * Attended the NC GIS Conference, where research findings were presented  May 2022-Sep 2022Data Science Intern | Clinic Chat | Denver, CO  * Aggregated and analyzed data using language learning software * Developed a website for the company * Gained experience in managing large data sets and supporting chat bots to alleviate nurse workload | | |
| EDUCATION |  | |
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| Warren Wilson College | Swannanoa, NC | B.A. Data Science and Math  | Expected 2025 | | |
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