Alex Williams

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EXECUTIVE SUMMARY

Soon graduate passionate about data analytics and visualization, with skills in SQL, Python and Tablau to deliver effective data communication and provide data driven insights. I am excited for an opportunity to challange myself in a new enviroment and grow my skills as a data analyist.

EDUCATION

Bachelor of Science Information Science   **May 2026**
Minor: Creative Technology and Design
University of Colorado Boulder
Relevant Coursework: Information Exploration, Technical Communication, Programming for Information Science, Statistics, & Technology Ethics

PROFESSIONAL EXPERIENCE

Data Science Intern   **June 2025 - July 2025**
KUGU
- Independently designed and executed exploratory data analysis pipelines on device telemetry data, using scatter plots, regression analysis, and advanced correlation metrics to uncover patterns and anomalies.
- Implemented automated solutions for internal and external reporting, reducing manual effort and increasing efficiency by 50%.

Engineering Intern   **Aug. 2022- Jan. 2024**
Phase IV Engineering
- Built small form electronic sensors using engineering blueprints and devolved an improved assembly procedure leading to a 20% raise in efficiency
- Conducted testing and analysis of small-form sensors, troubleshooting and implementing improvements to enhance reliability by 14%
- Trained new employees on product specifications, testing procedures, and best practices

PROJECTS

Time Series Sensor Data Analytics Project   **July 2025**
- Conducted exploratory analysis on time series data from 1000+ of IoT devices to establish baseline behavior, identify key sensor metrics, and define normal operational ranges.
- Developed and implemented data-driven methods to detect anomalies, including sudden spikes, persistent shifts, and long-term trends in readings, enabling early identification of potential issues.

Analysis of Buff Portal design and communication   **Jan 2025 -May 2025**
- Lead communication between stakeholder and group to ensure efficient flow of information
- Evaluated qualitative and quantitative analysis from 50+ survey and interview responses to develop a Consulting Report on the university student portal

SKILLS

Technical Skill: SQL, Excel, Tablau,Python/Pandas, API Integration, OverLeaf/ LaTeX, Google Big Query, Canva, Illustrator, & Photoshop, Microsoft Suite, G Suite

Professional Skill: Strategic Communication, Project Leadership, Collaborative, Time Management, Problem Solving & Adaptable