

Alex Williams

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EXECUTIVE SUMMARY

Information Scientist passionate about solving business problems with data driven insights. Eager to apply analytical rigor and creative problem solving to help teams make better decisions through data.

EDUCATION

Bachelor of Science Information Science

May 2026

Minor: Creative Technology and Design

University of Colorado Boulder

Relevant Coursework: Applied Machine Learning, Technical Communication, Data Visualization, Communicative Information Visualization, Statistics & Technology Ethics

PROFESSIONAL EXPERIENCE

Data Analyst Intern

June 2025 - July 2025

KUGU

- Collaborated with Product, Engineering and Design teams to translate business objectives into data problems, presenting findings that directly influenced platform roadmap and data collection strategy
- Designed exploratory analysis pipelines on device telemetry data using Python, SQL, and statistical methods to uncover patterns and inform product decisions
- Built automated reporting solutions that reduced manual effort by 50% enabling faster decision making
- Presented data driven insights in 1-on-1 settings, directly influencing platform roadmap decisions and customer data collection requirements

Engineering Intern

Aug. 2022- Jan. 2024

Phase IV Engineering

- Refined improved assembly procedure for electronic sensors, increasing efficiency by 20%
- Implemented 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 Analysis

July 2025

- Conducted exploratory analysis on time series data from 1000+ IoT devices to establish baseline behavior, identify key sensor metrics, and define normal operational ranges
- Developed data-driven methods to detect anomalies, including sudden spikes, persistent shifts, and long-term trends, 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 Skills: SQL, Excel, Tableau, Python(Pandas, Sklearn, Altair), API Integration, Google Big Query, Canva, Illustrator, & Photoshop, HTML/CSS, Figma, GitHub, Microsoft Suite, G Suite

Professional Skills: Strategic Communication, Project Leadership, Collaborative, Time Management, Problem Solving, Stakeholder Communication and Management & Adaptable

Analytics + Strategy: Dashboarding, Stakeholder Identification, Market Research, Data Visualization, Data Extraction & Transformation, Data Collection, Experimentation & A/B Testing