Jeffrey Wigington
Data Scientist

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EDUCATION

UNIVERSITY OF UTAH, Salt Lake City, UT
MS – Mechanical Engineering, GPA: 3.52 (Robotics Track)
● Coursework: Python; C++; MATLAB; Motion Planning; Computer Vision; Systems & Controls; algorithm implementation

UTAH STATE UNIVERSITY, Logan, UT
BS – Mechanical Engineering, Mathematics Minor, GPA: 3.73

EXPERIENCE

Hill Air Force Base, Clearfield, UT (Secret Clearance)
Supply Chain Engineer / Data Analyst, Secondary Power Systems Supply Chain Dec 2018 - Present
- Reduced monthly data analysis time by 84% a month by automating data filtering, sorting, cleaning, and plotting in Excel with PowerQuery
- Saved $60,000 in repairs costs by proving to contractor that their equipment was not functioning as guaranteed through plotting test stand sensor data in MATLAB to highlight anomalies and equipment failures
- Improved engineering response time for deviation requests by 30% through my management and tracking tool
- Mentored new engineer on best practices and job functions within the Air Force and prepare for promotion to journeyman level

Process Engineer, Missile Maintenance Group (ICBM Ground Equipment) Aug 2016 - Dec 2018
- Reduced flow days for Missile Transporter, Transporter Erector, and Payload Transfer Trailers overhauls by optimizing gates through Critical-Chain Program Management to unconstrain bottleneck processes

CoorsTek Medical, Logan, UT
Engineering Intern, May 2014 - May 2016
- Participated in the each part of the product life cycle: product kickoff, initial design reviews and group brainstorming, 3D drafting of select ideas, creating drawings and prints of manufacturing, inspection, product testing, and submission to FDA
- Created inspection plans and records for the manufacturing facility (in Excel)
- Determined process capability of CNC machines through statistical analysis

USU IT Computer Labs, Logan, UT
IT Computer Labs Consultant, Feb 2013 - May 2014
- Improved customer experience in the computer labs with troubleshooting software and hardware issues to aid them in completing school work

DATA SCIENCE PROJECTS (SEE GITHUB PORTFOLIO)

Who's Riding That Bike? (Bike-Share Rider Analysis) (Excel - to clean, SQL - to explore, Tableau - to visualize)
- Analyzed a year of bike-share data in Chicago to give recommendations on how to improve member experience

Data Products (Excel, Tableau)
- Google Sheet Template for breaking down receipts into multiple budget categories and sales tax categories
- Tracked Monthly Utilities Costs for heating, cooling, and city water expenses for budgeting (Tableau dashboard)
- LinkedIn Profile Analysis Dashboard in Tableau to verify visualize my presence on LinkedIn

What Do They Talk About In General Conference? (Python, Natural Language Processing)
- Natural Language Processing using web scraping (Requests, beautifulsoup, and nltk in Python) to analyze text

Paid Time Off and Sick Leave Tracking tool (Excel) (Not in Portfolio for privacy)
- Used conditional formatting and aggregation functions to track my accumulation and use of PTO and Sick Leave; my favorite part is the conditional formatting that highlights the current pay period and day

TECHNICAL SKILLS
- Excel, Python, SQL, Tableau, R, MATLAB, GitHub; Data Cleaning; Data Quality; Data Sets
- Google Data Analytics Certificate (Google Sheets, SQL, Tableau, R)