Jeffrey Wigington
Data Analyst / Data Scientist

jwigington22@gmail.com | 435-232-6479 | jwig22.github.io | https://www.linkedin.com/in/jeffreywigington/

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
Supply Chain Engineer / Data Analyst, Aug 2016 - Present
- Reduced data task working time by 84% a month by automating data filtering, sorting, cleaning, and plotting in Excel with PowerQuery
- Saved hours of engineering overhead and eliminated human transcription error by writing MATLAB functions to convert HTML reports into a single Excel file for analyzing
- Saved $60,000 in repairs by proving to contractor that their equipment was not functioning as guaranteed by plotting test stand sensor data by Data Card in MATLAB to highlight anomalies and capture equipment errors
- 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

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 PORTFOLIO)
Data Products
- Created a Google Sheet Template for breaking down receipts into multiple budget categories with multiple sales tax categories
- Tracked Monthly Utilities Costs to better budget year round for heating, cooling, and city water expenses
- LinkedIn Profile Analysis Dashboard in Tableau to check out basic data about my LinkedIn connections

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

(Not in Portfolio for privacy)
Paid Time Off and Sick Leave Tracking tool (Excel)
- 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)