

Dallas Blowers

Pittsburgh, PA 15218 | (315) 778-4339 | dallas.blowers@gmail.com | dallasblowers.com

Professional Summary

Current Master's student in Medical Product Engineering with an M.S. in Applied Statistics and over 3 years of experience in healthcare analytics. Passionate about user-centered design and human-computer interaction, with hands-on experience developing interactive experiences, assistive technologies, and 3D models. I am looking to leverage my background in healthcare statistics and education in medical product engineering to enable Human Factors Engineering processes.

Education

University of Pittsburgh

Master of Science in Medical Product Engineering

Pittsburgh, PA

Anticipated December 2027

Michigan Technological University

Master of Science in Applied Statistics

Cumulative GPA: 4.0 / 4.0

Houghton, MI

December 2021

Technical Skills

Human Factors & Design: Risk & Complaints Analysis, Technical Documentation, Industrial Sketching, 3D Modeling (Blender).

Data Analysis & Statistics: Statistical Data Analysis, SQL (T-SQL), Python, Data Validation, Scikit-learn, Numpy, Pandas, Microsoft Excel.

Highlighted Project

Generative AI IT Training Module Prototype (Client Project)

Remote

Tech Stack: Python, Streamlit, OpenAI API, Prompt Engineering

- Partnered with an external IT vendor to modernize annual training materials by developing an interactive quiz generator.
- Implemented prompt engineering techniques to ensure that the output strictly adhered to the client's tone and technical accuracy standards, including image generation for visual engagement.

Professional Experience

Healthy Alliance

Senior Data Analyst

Remote, NY

April 2024 – Present

- Developed SQL-based quality assurance processes for 40+ tables across 10 sources, reducing daily data load errors by 10%.
- Documented and resolved 20+ vendor data quality issues, improving confidence in internal reporting and accelerating critical data fixes.

Healthy Alliance

Data Analyst

Remote, NY

October 2023 – April 2024

- Cataloged 100+ tables across three databases to support governance, retention, and reporting efficiency.

Jefferson Community College

Adjunct Instructor – Statistics

Watertown, NY

October 2022 – Present

- Teach core statistical concepts to 40+ non-STEM students, emphasizing real-world application and ethical data interpretation.

Credo Community Center

Data Analyst

Watertown, NY

January 2022 – September 2023

- Recommended data integrity and compliance policies that earned praise for data maturity during CARF reaccreditation.
- Authored governance documentation, including dashboard, reporting, and metrics libraries, plus a business glossary for internal use.