

NATHAN BUTLER

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PROFESSIONAL SUMMARY

Data-driven and solutions-oriented data science graduate student with hands-on experience in technical support, statistical analysis, and collaborative research. Dedicated to building data systems that improve organizational performance and real-world outcomes. Skilled at translating technical findings into actionable improvements, with a deep interest in leveraging technology to enhance public services.

AREAS OF EXPERTISE

- Data Analysis & Reporting
- Technical Problem Solving
- PSQL
- Database Management
- PowerBI
- Project Implementation & Management
- R
- Python
- Weka
- Custom Dashboards
- Tableau

RELEVANT PROFESSIONAL EXPERIENCE

Research Intern, Monell Chemical Senses Center | *Philadelphia, PA*, June 2022 – August 2022

- Designed and managed a clinical trial to investigate links between Paxlovid and dysgeusia, collaborating with supervisors on data strategy
- Created a trial results database and presented findings, demonstrating ability to transform raw data into practical insights
- Learned to communicate research outcomes to stakeholders with varied technical backgrounds

Advanced Data Engineering Project, Willamette University | *Salem, OR* May 2025 – Present

- Designed and maintained a real-time data pipeline using PostgreSQL, Apache Airflow, and Grafana to monitor simulated transit data based on the Prague metro system
- Engineered a PostgreSQL warehouse and automated ETL processes to track station-level events and detect operational anomalies
- Collaborated with peers in a fast-paced, production-like environment to ensure data quality, pipeline reliability, and actionable reporting

Statistical Consultant Project, Juniata College | *Huntingdon, PA* August 2022 – December 2022

- Used statistical tools (ANOVA, Chi-Square, Kruskal-Wallis) to uncover trends in alumni giving patterns and donor behavior
- Built visualizations and dashboards to communicate donation trends, enabling the school to reduce mailing costs by targeting only likely donors
- Gained experience in balancing group dynamics with deliverable deadlines in a professional consulting setting

EDUCATION

Bachelors/Data Science, Juniata College | *Huntingdon PA* - Graduation May 2024

Masters/Data Science, Willamette University | *Salem OR* - Graduation August 2025