

Brian Wisniewski

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Education

The Ohio State University - Columbus, OH - MTDA Master of Translational Data Analytics **2021-2024**

- GPA: 3.869/4

- Capstone w/ U.S. Airforce & Tesseract: Led a collaborative capstone project with the U.S. Air Force and Tesseract, using natural language processing (NLP) and other techniques to inform technology grant funding. Employed CRISP-DM and agile framework, implementing advanced NLP methodologies, including tokenization & embeddings, stemming, lemmatization, n-grams, KeyBERT, t-SNE, batch processing, Cosine Similarity Analysis, TF-IDF, and more.

- Subjects: Machine Learning, Project Management, Data Governance, Statistical Analysis, Regression, Optimization, Big Data Technologies (Hadoop, Spark), UX Design, Experimental Design, Data Mining, Project Management (CRISP-DM/Agile Framework), Data Visualization

The Ohio State University - Columbus, OH - BA Philosophy **2021-2024**

- Subjects (STEM): Engineering Calculus, Differential Equations, Programming (C++,Java), Mathematical Proofs, Statistics, Engineering Fundamentals, & other misc.

- Subjects (Humanities): Philosophy (Focus on Phil. Of Science, Logic, Metaphysics, Language), & other misc.

Work Experience

The Ohio State University Wexner Medical Center - Columbus, OH - Senior Data Analyst **Nov 2023 - Present**

- Improved Operational Efficiency through labor analytics, resulting in identification of opportunities to improve productivity by up to 20%, across dozens of cost centers.

Drove business intelligence via complex, interactive Tableau Dashboards, representing 1,000,000's of confidential HIPPA data records.

- Extracted Datasets by leveraging complex SQL queries & SQL Server, interfacing with data sources across 3 levels of database architecture.

- Supported concurrently 2 separate business units, with distinct domain knowledge, as dual report to Cancer Program Analytics and Business Operations.

- Demonstrated generalizable and specialized analytics capability, though attainment of 5 EPIC Certifications

The Ohio State University - Columbus, OH - Data Visualization Educator & Consultant **Aug 2022 - Oct 2023**

- Delivered workshops, training a total of ~900 faculty, researchers, staff, & graduate students across 12 months on data visualization in R, Python, Tableau, web-based tools, and more. (Public Speaking in front of avg. ~100-150 people per event)

- Consulting Faculty, Researchers, Staff, & Graduate Students on Data Visualization in R, Python, Tableau, & Excel (Ad Hoc, Average 2-3 hours weekly)

- Created dozens of pieces of instructional content, i.e. video tutorials, resource recommendation lists, ect.

- Maintained website content to advertise, advocate, and educate on data visualization driving 100's of users to our resources.

The Ohio State University - Columbus, OH - Data Analyst **Oct 2019 - Aug 2022**

- Developed and maintained Microsoft Access Databases, warehousing 1,000,000's of protected (FERPA,GLBA) data records

- Extracted Datasets by leveraging complex SQL queries to fill ad hoc query requests for Office of the President and diverse stakeholders, demonstrating ability to communicate at varying levels of technical understanding.

- Managed Financial Data Dashboarding and Reporting to senior leadership (\$10,000,000's in funds)

Bath & Body Works - Columbus, OH - Data Analyst**Oct 2018 - May 2019**

- Created Microsoft Access Application and pioneered quantification of Supply Chain Issue Metrics, leading to 1000's of supply chain issues being routed and measured through the app., rather than sent via e-mail.
- Pioneered auditing metrics and ensured data integrity for supplier by spending 50% of time on-site, acting as liaison between leadership, stakeholders, and subordinates. (Decreased systematic vs. actual variance by 15%, reconciling 1000's data points and leading to best-practices for prescriptive action metrics.
- Served as Subject Matter Expert (SME) in Auditing and Data Analysis, acting as liaison across multiple teams.
- Generated high-level leadership analytics dashboards driving, across varying degrees of technical granularity.

Atlas Advisors, LLC - Columbus, OH - Data Analytics and Operations Intern**May 2017 - Aug 2017**

- Collaborated with Special Operations entities and translators to ensure seamless logistics support for mission-critical operations. Facilitated communication with individuals from diverse linguistic and cultural backgrounds, adeptly navigating language barriers and cultural nuances to ensure effective coordination and supply delivery. Demonstrated strong interpersonal skills and cultural sensitivity while liaising with stakeholders worldwide.

Kent Displays, Inc - Kent, OH - Data Analytics and Process Engineering Intern**May 2016 - Aug 2016**

- Recommissioned pneumatic manufacturing machine to use machine vision to identify defective liquid crystal displays and remove them from production.

Skills

- Data Science: Python, R, SQL & SQL Server, Tableau, MS Access
- Project Management: CRISP-DM, Scrum
- UI/UX Design: FIGMA, Miro, Adobe Illustrator, Design Process

Interests

- AI Innovation: Constantly exploring advancements in artificial intelligence, particularly in the realm of natural language processing and machine learning, to stay at the forefront of industry trends and contribute innovative ideas to AI-driven application development.
- Data Ethics: Deeply interested in the ethical implications of data science and AI technologies and committed to ensuring responsible and ethical use of data in all aspects of project development and decision-making.
- Tech Community Engagement: Actively involved in tech communities and forums, participating in discussions and knowledge-sharing initiatives to stay connected with industry peers, exchange insights, and contribute to the collective advancement of AI technologies.
- Continuous Learning: Engaging in continuous learning opportunities, such as online courses, workshops, and conferences, to expand knowledge and skills in emerging technologies, methodologies, and best practices relevant to the field of data science and AI development.