

Bill White

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Education

Northwestern University , Evanston, IL Bachelor of Science	2012 - 2017
<ul style="list-style-type: none">• Double Major – Manufacturing and Design Engineering, Industrial Engineering	
The University of Washington , Seattle, WA Pursuing Master of Science	2024 - Present
<ul style="list-style-type: none">• Human Centered Design & Engineering – Focus on data and behavioral change	

Professional Experience

NosTerra Ventures - Remote	2023 - 2024
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Entrepreneur in Residence

- Generated energy production and demand scenarios representing effects of policy decisions
 - Informed energy modeling through research of marine energy generation viability in the U.S.
- Conducted climate data modeling and explored data pipelines for policy-driven environmental scenarios
- Developed interactive Sankey charts for web, visualizing 30-year energy projections and costs
 - Created visualizations and aggregated citations for NosTerra's energy mission presentation
- Processed and validated sensor data from thermal telemetry sources to guide design decisions

Microsoft - Seattle, WA	2017 - 2023
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Data Scientist II (2021-2023)

- Investigated and reported on thermal limitations, proposed new KPIs to reflect thermal realities
- Set up, expanded, and maintained data factory pipelines, ensuring data accuracy and integrity
- Reported on statistically significant KPI trend changes, identifying causes and surfacing findings
- Accurately projected failure rates by combining multiple data sources across functional teams

Data Scientist (2020-2021)

- Built AB testing tool that resulted in decrease of in-market bugs and increase in PM efficiency
- Designed and executed new Surface device launch reporting format used by EVP and devices org
- Managed communications and updates for 6 launches and recommended process improvements
- Created reporting for thermal telemetry provided insights and visibility to trends and performance

Data Analyst (2017-2020)

- Performed component-level failure analysis, identifying root causes and improving products
- Developed Kaplan-Meier reporting for products, providing insights into product reliability
- Mapped return and repair processes, ensuring accurate and efficient tracking of product data
- Utilized NLTK to categorize customer return comments, enabling analysis of customer feedback

Continued Education

Terra.do - Remote	2024
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Climate Change Learning for Action Certificate

- Completed a 100+ hour multinational climate bootcamp with in-depth exploration of topics like electrification, renewable energy, and climate justice

Volunteering

Seattle Makers - Seattle, WA Teacher	2023 – Present
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- Developed curriculum for and taught 3D printing 201, certifying members for advance printer use
- Maintain and repair 3D printers regularly, install upgrades to improve print quality and speed

Technical Skills

Coding Languages: Python (strong), R, SQL, C++, MATLAB

Data Tools: pandas, numpy, scipy, scikit-learn, matplotlib, Jupyter, Azure Data Explorer, Power BI

Data Engineering & Pipelines: Azure Data Factory, SQL, pipeline development, sensor data processing

Statistical Methods: A/B testing, clustering (k-means), regression, Kaplan-Meier analysis

Domain Tools: Fusion 360, G-code, D3.js, JavaScript

Visualization: Dash/Plotly, Power BI, seaborn, matplotlib, Tableau (familiar), D3

Other: Git, environmental systems modeling, Sankey visualization, telemetry analysis

Hobbies

- Cycling – 2022 Washington Cat III road race champion, Unbound 100 Finisher, built road bike
- Strategic Games –Running multi-year Dungeon and Dragons campaign as DM
- Making – Construct 3D printers, Design, Code, and Assemble Human Interface Devices