

Bill White

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EDUCATION

- Northwestern University**, Evanston, IL 2012 – 2017
Bachelor of Science
- Double major: Manufacturing & Design Engineering and Industrial Engineering and Managerial Sciences
- University of Washington**, Seattle, WA 2024 – Present
Master of Science (in progress)
- Human-Centered Design & Engineering — focus on data and behavioral change

PROFESSIONAL EXPERIENCE

- Layered Logic LLC** — Seattle, WA 2026 – Present
Founder & Independent Consultant
- Designed and built an AI-driven personal-admin automation system (n8n + LLMs) that plans daily tasks, classifies work by category, and passively reconciles progress across calendar, task-board, and activity data sources.
 - Developed energy production, economic model with an interactive visualization to explore policy/ investment scenarios.
- NosTerra Ventures** — Remote 2023 – 2024
Entrepreneur in Residence
- Researched the viability of marine energy generation in the U.S. to inform energy modeling.
 - Conducted climate data modeling and built data pipelines for policy-driven environmental scenarios.
 - Developed interactive Sankey charts for the web, visualizing 30-year energy projections and costs.
- Microsoft** — Seattle, WA 2017 – 2023
Data Scientist II 2021 – 2023
- Investigated and reported on thermal limitations, proposing new KPIs to reflect thermal realities.
 - Set up, expanded, and maintained data factory pipelines, ensuring data accuracy and integrity.
 - Processed and validated sensor data from thermal telemetry sources to guide design decisions.
 - Reported on statistically significant KPI trend changes, identifying causes and surfacing findings.
 - Projected failure rates accurately by combining multiple data sources across functional teams.
- Data Scientist* 2020 – 2021
- Built an A/B testing tool that reduced in-market bugs and improved PM efficiency.
 - Designed and launched a new Surface device launch reporting format used by the EVP and devices org.
 - Created thermal telemetry reporting that gave the team insight and visibility into 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 insight into product reliability.
 - Used NLTK to categorize customer return comments, enabling analysis of customer feedback at scale.

CONTINUED EDUCATION

- Terra.do** — Remote 2024
Climate Change: Learning for Action Certificate
- Completed a 100+ hour multinational climate bootcamp covering electrification, renewable energy, and climate justice.

VOLUNTEERING

- Seattle Makers** — Seattle, WA 2023 – 2025
Maketeer/Teacher
- Developed the curriculum for and taught 3D Printing 201, certifying members for advanced printer use.
 - Maintain and repair 3D printers regularly, installing upgrades to improve print quality and speed.
- The Bikery** — Seattle, WA 2023 – 2024
Volunteer Bike Mechanic
- Diagnose, repair, and refurbish donated bicycles, restoring them to safe, ride-ready condition for the community.

TECHNICAL SKILLS

Languages: Python (strong), SQL, R, C++, MATLAB
Data & Statistics: pandas, numpy, scipy, scikit-learn, Jupyter; A/B testing, regression, clustering (k-means), Kaplan-Meier
Data Engineering: Azure Data Factory, pipeline development, sensor/telemetry processing, Azure Data Explorer
Visualization: D3.js, Dash/Plotly, Power BI, Tableau, matplotlib, seaborn, Sankey
Tools & Other: Fusion 360, G-code, JavaScript, Git, n8n automation, environmental systems modeling

HOBBIES

Cycling — 2022 Washington Cat III road race champion, Unbound 100 finisher, built my own road bike. **Strategic Games** — multi-year Dungeons & Dragons campaign as Dungeon Master. **Making** — build 3D printers; design, code, and assemble human interface devices.