James Shannon

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Skills

- R, Python, Java, Javascript, SQL
- Pytorch, Scikit-learn, Keras, React, Pandas, Tableau, Matplotlib, Numpy, Scipy
- Statistical Analysis, Data Visualization, Machine Learning, Scientific Computing, Bayesian Statistics, Numerical Analysis, AI/ML Algorithms, Data Cleaning, Feature Engineering, LLM's

Education

University of Washington, MS in Applied and Computational Mathematics · Sept 2025 – June 2026
- **Relevant Courses** CSE 546 Machine Learning, STAT 509 Mathematical Statistics, CSE 547 Machine Learning for Big Data

Western Washington University, BS in Mathematics, Minor in Chemistry · Sept 2018 – June 2021
- **GPA:** 3.73/4.00

Experience

Intermediate Lab Technician, Fred Hutch – Seattle, WA · Sept 2024 – Sept 2025
- Processed and analyzed laboratory specimens following SOPs and regulatory standards
- Conducted QA/QC testing to ensure data integrity and accuracy
- Collaborated with cross-functional teams to interpret clinical data results
- Maintained and monitored laboratory inventory supplies and requested new supplies when necessary

Medical Assistant, Virginia Mason – Seattle, WA · March 2024 – Sept 2024
- Collected and managed patient data using medical software for scheduling and communication
- Ensured accuracy in patient records, improving data management efficiency
- Worked in a fast-paced, team-oriented environment requiring precise attention to detail
- Learned to follow HIPPA protocol to ensure safe handling of patient data

EHS Specialist, Fred Hutch – Seattle, WA · July 2021 – Sept 2022
- Managed large datasets tracking hazardous materials and improved process efficiency
- Conducted data-driven assessments to support safety audits and regulatory reporting
- Ensured safe disposal of hazardous waste in accordance with state and federal guidelines

Administrative Assistant, Fred Hutch – Seattle, WA · Jan 2021 – June 2021
- Used literacy and organizational skills to support the administration of COVID-19 vaccines, including scheduling and patient care.
- Utilized Solv software for efficient vaccine scheduling and record keeping.

Statistical Research Assistant, Western Washington University – Bellingham, WA · August 2020 – June 2021
- Analyzed structural changes in datasets using Cumulative Sum and Likelihood Ratio tests.
- Utilized R for statistical modeling, data analysis, and visualization.
- Authored an abstract comparing change point detection methods for statistical conferences.

Research Data Analyst, University of Washington – Seattle, WA · June 2019 – August 2019
- Extracted and analyzed medical record data to identify correlations and trends.
- Cleaned and organized large datasets using Excel for accurate reporting.
- Communicated actionable insights to PI through detailed data analysis and visualization.