

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 – Jun 2026
• Relevant Courses CSE 546 Machine Learning, STAT 509 Mathematical Statistics	
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.	