

# James Shannon

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<https://shannoj.github.io/Website/>

## Skills

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- 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

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**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

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**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.