

Elizabeth Wong

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Analyst Portfolio: <https://missyou22too.github.io/ElizabethWong-Analyst-Portfolio>

SUMMARY

Data Analyst skilled in turning raw data into sharp, actionable insights that drive strategic decisions. Proficient in SQL, Python and Machine learning, building dashboards in Tableau and tracking KPIs across the user journey. Proven track record managing cross-functional analytics in data-rich environments, with strong communication skills for delivering concise, informative reporting to leadership. Background in biomedical research brings rigorous statistical analysis and meticulous attention to data quality.

TECHNICAL SKILLS

Programming: SQL, Python (pandas, NumPy, scikit-learn, Flask) • R • Excel

Tools and Skills: Tableau • A/B Testing • Cohort Analysis • KPI Tracking • Dashboard Development • Statistical Modeling
Machine Learning • ETL Pipelines • AWS

EXPERIENCE AND PROJECTS

Data & Insights Specialist

Oct 2024 – Present

Regatta-Playbook • Remote

- Own end-to-end analytics workflow for automated race analytics platform, from ETL pipeline development to interactive dashboard delivery, reducing analysis time by 85% and saving 400+ hours annually
- Track and synthesize performance metrics across 10,000+ data points per event, identifying anomalies, and strategic opportunities; conduct cohort analysis to compare team performance across conditions
- Establishing high-trust data infrastructure and QA safeguards for real-time analytics
- Translate complex datasets into clear storytelling for non-technical stakeholders through interactive dashboards, enabling multidisciplinary partners to explore performance insights independently

Research Technician I

Mar 2021 – Jun 2024

Fred Hutchinson Cancer Center • Seattle, WA

- Led cross-functional immunoassay studies coordinating data analysis and findings across multiple institutions, contributed analysis to peer-reviewed publications while managing multiple complex projects simultaneously
- Overhauled specimen tracking database of 100,000+ samples, developing SOPs that improved data accuracy and reduced processing errors by 30%
- Delivered clear presentations of technical findings to diverse stakeholders, managed BSL-2 lab operations including quality control, data security protocols, and training for 5+ team members

Laboratory Analyst

Dec 2020 – Feb 2021

Institute of Environmental Health • Seattle, WA

- Processed 1,000+ COVID-19 samples daily with 24-hour turnaround, 99%+ accuracy under high-volume conditions

EDUCATION

Massachusetts Institute of Technology

2024

Applied Data Science Program — Machine Learning, Statistical Modeling, Python

Whitman College

2019

B.A. Biology, *summa cum laude*

PUBLICATIONS

Zamora, D., Xie, H., Wong, E. et al. ELISPOT as a predictor of clinically significant cytomegalovirus infection after hematopoietic cell transplantation in letermovir recipients. *Bone Marrow Transplant* 60, 1137–1145 (May 2025).

<https://doi.org/10.1038/s41409-025-02611-4>

Wang, W., Wong, E., Cato, M. L., et al. Quick Oil Red O, Paint3D and Biopython as an economical tool to measure total lipid levels in *Caenorhabditis elegans*. *microPublication biology* (Jan 2025). <https://doi.org/10.17912/micropub.biology.001320>