

Elizabeth Wong

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

SUMMARY

Data Analyst skilled in turning raw data into actionable insights to drive strategic decision making for better business. SQL, Python, Excel (advanced) and Machine learning, along with data visualization tools like Tableau are my wheelhouse. I thrive working with large datasets both in teams and as a solo lead. Thanks to my background in Cancer Research, I've developed rigorous statistical and quantitative analysis skills, and know how to communicate in a clear and informative yet empathetic manner to connect with diverse audiences and leadership. I'm an adaptive and curious self-starter with a growth mindset that is well-suited to fast-paced project focused environments. I look forward to working with you!

TECHNICAL AND ANALYTICAL SKILLS

Program Proficiencies: SQL, Python (pandas, NumPy, scikit-learn, Seaborn, matplotlib) • R • Excel (advanced) • GIT

Tools and Skills: Machine Learning • Tableau • BI Tools • KPI Tracking • Statistical Modeling • ETL Pipelines • AWS • Analytical Problem Solving • Data Visualization • Project Management

EXPERIENCE AND PROJECTS

Data & Insights Specialist

Oct 2024 – Present

Regatta-Playbook

- Owning end-to-end analytics workflow for automated race analytics platform, from EDA to interactive dashboard delivery, reducing analysis time by 85% and saving 400+ hours annually using python and machine learning to identify trends and strategic opportunities
- Utilizing data mining and cleaning techniques using SQL queries, Python, Machine Learning and AI to clean translate large scale datasets with 10,000+ datapoints per event into clear outputs and visualization dashboards to create data backed narrative insights for stakeholders of varying technical abilities
- Developing data quality assurance tools to automatically treat errors, project tracking and documentation to improve efficiency, reproducibility and consistency across projects
- Coordinating communication with multiple stakeholders of varying knowledge pools within a fast-paced setting and multiple projects at the same time

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
- Rebuilt specimen tracking database of 100,000+ samples, as well as developing SOPs to improve data quality and accuracy to reduce 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 every day with a 24-hour delivery turn around, with 99%+ testing accuracy

EDUCATION

Massachusetts Institute of Technology

2024

AI and 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>