

YEYAN WANG

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SUMMARY

Data professional with 3+ years of experience leveraging statistical analysis, data engineering, and automation to deliver actionable insights. Pursuing an MS in Analytics (Computational Data Analytics) with advanced coursework in ML, predictive modeling, and LLMs. Skilled in Python, SQL, R, and modern BI tools, and more. Seeking a Data Scientist role to apply analytical and technical expertise toward data-driven strategy and product optimization.

SKILLS

Languages & Libraries: Python (pandas, NumPy, scikit-learn, PyTorch, TensorFlow, XGBoost, NetworkX), R (caret, tidyverse), SQL, JavaScript, HTML/CSS

Big Data & Cloud: PySpark, Databricks, Hadoop, Hive, Snowflake, AWS, Azure

Analytics & BI Tools: Tableau, Power BI, ThoughtSpot, MongoDB, Epic Cogito, Excel, Access, SSMS

Dev & Ops Tools: Git, GitHub, Linux/Unix (Bash, CMD scripting), Jupyter Notebook, VS Code, RStudio, Google Colab

PROFESSIONAL EXPERIENCE

Elevance Health

Seattle, WA

Business Information Analyst II

May 2024 – Present

- Developed and maintained multiple benchmarking and KPI tools across Tableau, Power BI, and ThoughtSpot, leveraging statistical methods (Wilson Score Interval, p-value testing) to evaluate MCO performance.
- Built and deployed scalable forecasting frameworks for WA Apple Health's Report Card using scikit-learn (regression, weighted average models) to predict and automate performance ratings.
- Built robust SQL data pipelines in SSMS and Snowflake, transforming and staging large healthcare datasets for analytics and forecasting.
- Automated recurring reports and ETL workflows using Python and SnowSQL, reducing manual effort by over 40%.
- Conducted advanced statistical and exploratory analyses to uncover market trends, validate model performance, and inform strategic planning.

Sea Mar Community Health Centers - Information Technology Department

Seattle, WA

Business Systems Analyst

Jul. 2023 – May 2024

- Conducted complex data analyses and generated reports to uncover insights into patient care, clinical operations, and cost management.
- Developed SQL queries to extract and transform clinical data from the database, delivering actionable insights for stakeholders.
- Created dynamic dashboards and visualizations in Power BI, Epic Cogito, and Excel, tailored to stakeholder needs to support clinical and operational decision-making.
- Built and automated SSIS ETL packages to process non-standardized health data, producing clean datasets and improving project efficiency.
- Addressed break/fix issues and fulfilled ad-hoc reporting requests, ensuring timely and accurate data delivery.

Sea Mar Community Health Centers - Quality Improvement Department

Seattle, WA

Health Informatics and Metrics Project Coordinator

Jul. 2022 – Jul. 2023

- Analyzed quality metrics (HEDIS, STARS, etc.) for Medicaid and Medicare members to identify trends and care gaps.
- Collaborated with MCOs and internal teams on clinical quality initiatives, achieving 75th percentile benchmarks for key quality measures.
- Built automated Excel visualizations and monthly reports for care teams, improving insight into performance.
- Streamlined reporting using VBA and Power Query to reduce manual work and enhance accuracy.

PROJECTS

Apple Health Report Card Forecasting

Sep. 2025 – Present

- Delivered an end-to-end forecasting framework integrating historical and Washington State competitor data to project 2025 MCO performance benchmarks.
- Trained regression and weighted-average models in scikit-learn, optimized via MAE, and built a benchmark tool to automate Wilson interval-based rating evaluations.

E-Commerce Customer Insights and Dynamic Pricing Optimization

Oct. 2025 – Present

- Developed customer segmentation and predictive models using K-Means clustering, SVM, and XGBoost to identify high-value users and optimize pricing strategies.
- Developed an interactive Flask web dashboard using D3.js, HTML/CSS, and JavaScript to visualize customer segments, explore insights, and dynamically adjust pricing strategies.

New York City Traffic Collisions Analysis

Apr. 2023 – Present

- Developed a Flask web application to analyze and visualize NYC car accident data using Python, D3.js, JavaScript, HTML/CSS, and SQLite.
- Implemented an ETL pipeline to extract and clean collision data from the NYC Open Data API and load it into a relational database. Built interactive visualizations—including collision heatmaps, borough-level bar charts, and hourly injury trends—to identify high-risk areas and support data-driven public safety insights.

EDUCATION

Master of Science in Analytics - Computational Data Analytics Track	<i>Georgia Institute of Technology, Atlanta, GA</i> <i>Expected Graduation: Jun. 2026</i>
Data Analytics and Visualization Bootcamp	<i>UC Berkeley Extension, Berkeley, CA</i> <i>Graduated: May 2023</i>
Bachelor of Science in Health Informatics and Health Information Management	<i>University of Washington, Seattle, WA</i> <i>Graduated: Jun. 2022</i>

CERTIFICATIONS

Certificate in Clarity Data Model <i>Credential ID: 654317757</i>	<i>Epic Systems</i> <i>Issued: Oct. 2023</i>
Certificate in Caboodle Data Model <i>Credential ID: 650114598</i>	<i>Epic Systems</i> <i>Issued: Oct. 2023</i>
Certificate in Cogito Fundamentals <i>Credential ID: 650114592</i>	<i>Epic Systems</i> <i>Issued: Oct. 2023</i>