

# YEYAN WANG

Seattle WA | P: 206-335-8741 | E: [yewang9703@gmail.com](mailto:yewang9703@gmail.com) | LinkedIn: [yeyan-wang](#) | GitHub: [yeyanwang](#)

## SUMMARY

Motivated data analyst with a Bachelor's Degree in Health Informatics and Health Information Management and a professional certificate in Data Analytics and Visualization. Experienced in data analysis, data management, reporting, and business intelligence. Proficient in SQL, Excel, Tableau, Power BI, Python, R, and more. Seeking a challenging position as a data analyst where I can leverage my analytical mindset and technical proficiency to drive data-driven decision-making, optimize business processes, and contribute to organizational success.

## SKILLS

**Programming Languages:** SQL, VBA, Python, R, NoSQL (MongoDB), JavaScript, HTML, CSS

**Other Tools:** MS Excel, MS Access, Tableau, Power BI, Smartsheet, Jupyter Notebook, SQL Server, pgAdmin, RStudio, AWS RDS, Apache Spark, Visual Studio Code, Google Colab, Git/GitHub

## PROFESSIONAL EXPERIENCE

### Sea Mar Community Health Centers

Seattle WA

Health Informatics and Metrics Project Coordinator

Jul. 2022 – Present

- Performed in-depth data analysis to identify trends, patterns, and insights that drive clinical decision making.
- Collaborated with cross-functional teams to gather requirements and deliver ad hoc reports and dashboards.
- Led and executed data analysis projects to support healthcare quality improvement initiatives and drive operational excellence.
- Automated monthly reporting tasks and executed ETL processes utilizing VBA and Power Query.
- Maintained and updated the Quality Improvement department SharePoint page and disseminated relevant information to clinical teams and staff.

### Bergin Prosthodontics

Seattle WA

Dental Assistant

Sep. 2021 – Mar. 2022

- Provided chairside assistance to the dentist during routine examinations and complex prosthodontics procedures.
- Accurately recorded patient charts, update, and maintain patient's EHR in Dentrix.
- Performed prosthodontics lab work including mounting teeth models and 3D printing teeth models for prosthodontics use.
- Took dental images including X-rays, intraoral and extraoral photos, and 3D scanning.
- Utilized 3D modeling software program Meshmixer with the support to edit, analyze and optimize 3D teeth models.

### CVS Health

Seattle WA

Pharmacy Technician

Jul. 2020 – Aug. 2021

- Collaborated with pharmacists to facilitate daily pharmacy operations.
- Accurately retrieved medication on shelf, count, label, and package prescriptions.
- Assisted patients with prescription pickups, drop off and refill requests.
- Handled rejection claims and collaborated with pharmacy benefit managers to resolve problems.
- Utilized Rx Connect to enter, edit, and manage patient's PHI and prescription orders.

## RELEVANT EXPERIENCE

### Cars For All (Advanced SQL)

Jun. 2023

<https://github.com/yeyanwang/adv-sql-challenge>

- Performed advanced SQL queries to retrieve relevant information for analysis, leveraging complex joins, subqueries, and aggregate functions.
- Utilized Window functions and Common Table Expressions (CTEs) to streamlining data retrieval and analysis processes while improving the readability of complex queries.
- Demonstrated expertise in optimizing queries for performance, enhancing data retrieval efficiency by utilizing indexing and query optimization techniques.

### Jersey City Citi Bike Analysis (Tableau, MS Excel)

Apr. 2023

[https://public.tableau.com/views/MyFirstViz\\_16824765590820/CitibikeAnalysis?:language=en-US&:display\\_count=n&:origin=viz\\_share\\_link](https://public.tableau.com/views/MyFirstViz_16824765590820/CitibikeAnalysis?:language=en-US&:display_count=n&:origin=viz_share_link)

- Analyzed data from 2019-2020 to study the usage and popularity of Citibike stations in Jersey City, developed several data visualizations to effectively communicate the findings of the study.
- Designed the dashboard interface to include interactive elements, like filters and buttons, to enable a dynamic user experience, and to enhance the dashboard's usability.

### Employee SQL Database (SQL, QuickDBD)

Feb. 2023

<https://github.com/yeyanwang/sql-challenge>

- Created an ERD and schema for a relational database, specifically designed to store and manage employee data imported from CSV files.
- Implemented primary keys, composite keys, and foreign keys to establish relationships between tables and columns.
- Utilized various querying techniques, including joins and nested queries, to retrieve and analyze the desired employee information from the database.

### Stroke Prediction Random Forest Classifier (Python, Scikit-learn, Flask, HTML, CSS, Matplotlib, Seaborn)

May 2023

[https://github.com/yeyanwang/stroke\\_classifier](https://github.com/yeyanwang/stroke_classifier)

- Performed exploratory data analysis by utilizing a range of data visualization tools and employing preprocessing techniques such as one-hot-encoding and scaling to manipulate and refine data before implementing machine learning algorithms.
- Developed and trained three Random Forest Classifier machine learning models using diverse machine learning techniques, assessing their effectiveness through statistical metrics like confusion matrix, accuracy scores, and classification reports.
- Created a user-friendly web interface using HTML and CSS and deployed the final model within a Flask application.

**NYC Vehicle Collision Web App** (Python, ETL, Flask, SQL, JavaScript, HTML, CSS)

*Apr. 2023*

<https://github.com/yeyanwang/nyc-collision-analysis>

- Performed ETL (Extract, Transform, Load) operations on the dataset, and stored the cleaned data in a SQLite database.
- Built a Python Flask application by utilizing SQLAlchemy to create three API endpoints, leveraging D3.js for data retrieval.
- Utilized JavaScript, HTML, and CSS to build a web application with data visualizations, leveraging tools such as Plotly.js and Leaflet.js.

**Home Sales** (SparkSQL, Python)

*May. 2023*

[https://github.com/yeyanwang/Home\\_Sales](https://github.com/yeyanwang/Home_Sales)

- Employed SparkSQL to extract key metrics and insights from home sales data.
- Utilized temporary views and data partitioning for enhanced processing efficiency.
- Optimized performance through caching, uncaching, and partitioning of a temporary table.

## EDUCATION

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**Certificate in Data Analytics and Visualization**

*UC Berkeley Extension, Berkeley CA*

*May 2023*

- This bootcamp covered a variety of data analytics techniques, programming languages, and technologies. Topics included data analysis, manipulation, processing, modeling, and visualization, as well as BI reporting, web scraping, and data warehousing fundamentals. I gained hands-on experience in Python, SQL, NoSQL, VBA scripting, JavaScript, HTML, and CSS, as well as Tableau, pgAdmin, APIs, Apache Spark, AWS RDS, DataBrick and programming packages like Pandas, NumPy, SciPy, PySpark, scikit-learn, TensorFlow and more.

**Bachelor of Science in Health Informatics and Health Information Management**

*University of Washington, Seattle WA*

*Jun. 2022*

- My Bachelor's degree in Health Informatics and Health Information Management provided a strong foundation in MS Excel, MS Access, Tableau, SQL, and R for healthcare data analysis and visualization. I also gained insights into data ethics, project management, and healthcare guidelines and regulations.