

# YEYAN WANG

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## OBJECTIVE

Recently obtained a professional certificate in Data Analytics. Proficient in Python, SQL, and Tableau, with a solid foundation in front-end web development using HTML, CSS, and JavaScript. Possesses a fundamental understanding of Machine Learning and Big Data. Driven by a deep passion to leverage data and analytics techniques to discover meaningful business insights and improve decision-making processes. Actively seeking a position within a dynamic and collaborative team as a dedicated data analyst.

## EDUCATION

**Certificate in Data Analytics and Visualization**

*UC Berkeley Extension, Berkeley CA  
May 2023*

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

*University of Washington, Seattle WA  
Jun. 2022*

## SKILLS

**Technical Skills:** Data Analysis, Data Visualization, Data Modeling, ETL, Data Manipulation, Big Data

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

**Programming Packages:** Pandas, NumPy, SciPy, Matplotlib, TensorFlow, Scikit-learn, PySpark, D3, Leaflet, SQLAlchemy, BeautifulSoup, Splinter, and more

**Other Tools:** MS Excel (e.g.: PivotTables, PowerQuery), Tableau, Jupyter Notebook, SQL Server (pgAdmin), Visual Studio Code, Google Colab, AWS, Git

## RELEVANT EXPERIENCE

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

*May 2023*

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

- 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.git>

- 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.

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

*Apr. 2023*

<https://public.tableau.com/views/citibike>

- 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.git>

- 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.

## PROFESSIONAL EXPERIENCE

**Sea Mar Community Health Centers**

*Seattle WA*

*Health Informatics and Metrics Project Coordinator*

*Jul. 2022 – Present*

- Collaborated with multidisciplinary teams and staff to advance organizational clinical quality initiatives.
- Created VBA scripts that enhance the efficiency of the monthly Clinical Quality Measure (CQM) reporting process through automation of repetitive tasks like data manipulation, resulting in the generation of comprehensive reports.
- Constructed monthly interactive CQM performance dashboards for effective decision-making through visual representations.
- Conducted data analysis on diverse projects utilizing both qualitative and quantitative data to derive meaningful insights.
- Collaborated with external stakeholders to improve clinical quality metrics, ensuring patients receive quality care.
- Maintained and updated the Quality Improvement department SharePoint page and disseminated relevant performance information to clinical teams and staff.

**Bergin Prosthodontics***Dental Assistant**Seattle WA**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***Pharmacy Technician**Seattle WA**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.