YEYAN WANG

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OBJECTIVE

Motivated data analyst with a professional certificate in Data Analytics and Visualization and a Bachelor's Degree in Health Informatics and Health Information Management. 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

Technical Skills: Data Analysis, Data Visualization, Data Modeling, ETL, Data Manipulation, Big Data
Programming Languages: Python, SQL, R, NoSQL (MongoDB), JavaScript, HTML, CSS, VBA
Programming Packages: Pandas, NumPy, SciPy, PySpark, Scikit-learn, TensorFlow, Matplotlib, D3, Leaflet, SQLAlchemy, BeautifulSoup, Splinter, and more
Other Tools: MS Excel, Tableau, Power BI, Jupyter Notebook, SQL Server, pgAdmin, RStudio, Apache Spark, Visual Studio Code, Google Colab, Google Scripts, Smartsheet, 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 data-driven insights and visualizations.
- Automated monthly reporting tasks through VBA scripting to improve efficiency in healthcare quality improvement initiatives.
- Created comprehensive reports and dashboards to provide actionable insights to clinic leaders.
- Led and executed data analysis projects to support healthcare quality improvement initiatives and drive operational excellence.
- 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

- 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

- 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

- 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

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