**Jungsu Lee**

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##### EDUCATION

**Master of Science in Data Analytics** June 2024 - Present

*Western Governors University* | Salt Lake City, UT

**Bachelor of Science in Information Systems** Graduated: May 2020

*University of Maryland Baltimore County* | Baltimore, MD

##### SKILLS SUMMARY

**Data Analytics:** Python (Pandas, Scikit-learn), R (ggplot2, dplyr), SQL, Visualization (Tableau, Matplotlib, Seaborn)

**Programming & Web Development:** HTML, CSS, JavaScript (React, Vue), C# (.NET), Git

**Excel & Reporting:** Data Cleaning, Pivot Tables, Aggregate Functions, Dashboards

## PROFESSIONAL EXPERIENCE

**Web Developer –** *HealthCare Strategies, Inc.* | Columbia, MD June 2021 – November 2023

* Extracted, cleaned, and maintained multi-dimensional patient health data using MS SQL (Joins, CTEs, stored procedures, views)
* Designed complex queries to generate data visualizations and reports for healthcare professionals
* Developed and maintained interactive dashboards using Vue.js, .NET, and SQL to improve data trend analysis
* Collaborated with cross-functional teams (senior developers and nurses) to ensure efficient data management and reporting

**Crew Shift Manager –** *Kokee Tea* **|** Hanover, MD April 2020 – May 2021

* Led a team of 2-4 employees to ensure seamless operations, enhancing customer satisfaction by consistently meeting quality service standards
* Improved teamwork and communication skills to ensure efficient operations during high-traffic hours

##### PROJECTS

**Medical Data Analysis & Prediction (Pandas, Scikit-learn, Tableau)**

* Conducted Exploratory Data Analysis (EDA) to uncover patient health trends and key factors
* Built classification and regression models to predict patient readmission likelihood and significant factors
* Designed an interactive Tableau dashboard to display readmission trends and key insights

**Telecommunications Churn (Pandas, Statsmodels, Scikit-learn)**

* Analyzed multi-dimensional customer datasets to uncover key factors influencing churn rates
* Examined key data relationships using t-test and chi-square test to identify critical factors
* Implemented logistic regression models, achieving an 89% accuracy rate in predicting high-risk churn customers

**Fitness Tracker Dashboard (Excel, Pivot Tables, Charts, Conditional Formatting)**

* Cleaned and analyzed large datasets using pivot tables and aggregate functions
* Created charts and tables to visualize workout trends and their relationship with multiple factors

**Healthcare Data Analysis Dashboard (HTML/CSS, Vue.js, .NET C#, SQL)**

* Redesigned and maintained the HealthManager dashboard’s UI using HTML/CSS and Vue.js, enhancing patient data visualizations (data tables, charts), which improved data readability and user engagement
* Designed and optimized SQL queries for data retrieval and performance
* Implemented new UI/UX features, such as pagination and interactive charts

**CERTIFICATIONS**

• Microsoft Azure Fundamentals (AZ-900)