**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, SQL, Visualization (Matplotlib, Seaborn, ggplot2, Tableau)

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

**Software:** MS Word/Excel/PowerPoint

## PROFESSIONAL EXPERIENCE

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

* Designed and developed a data-driven HealthManager dashboard in .NET, implementing visualizations and functionality that helped manage patient data and report generation
* Performed updates and ongoing maintenance on the desktop application, including access permissions and report generation
* Maintained database operations in MS SQL, cleaning and manipulating data for patient health reports and visualizations

**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 (Pandas, Numpy, Scikit-learn, Tableau)**

* Performed Exploratory Data Analysis (EDA) to uncover key data relationships through visualizations, identifying critical factors influencing model performance
* Applied feature selection techniques and hyperparameter tuning to improve model accuracy and efficiency
* Developed and validated classification and regression models to predict patient readmission probability and average daily charges
* Designed an interactive data dashboard to visualize patient readmission trends under various conditions

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

* Cleaned and preprocessed large customer datasets using the Pandas library, preparing data for effective predictive modeling
* Conducted Exploratory Data Analysis (EDA), examining key data relationships using t-tests and chi-square tests,

identifying critical features that influence churn rates

* Utilized linear and logistic regression models to predict customer data usage and churn risk

**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 SQL queries for data extraction and analysis
* Transformed outdated web pages with a modern UI/UX design, adding pagination and new data visualization features that improved user experience and system efficiency

**CERTIFICATIONS**

• Microsoft Azure Fundamentals (AZ-900)