

MARCUS LI

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EDUCATION

University of Washington - Bachelors of Science in Data Science, Minor in Cybersecurity

LICENSES & CERTIFICATIONS

Supervised Machine Learning: Regression and Classification | DeepLearning AI | Stanford Online Jul 2024

Credential ID DAA3AGLCZJK6

ISC2 Candidate | ISC2 May 2024 - May 2025

TestOut IT Fundamentals Pro | TestOut Corporation Jun 2023

Credential ID 6-1C6-V52FP9

EXPERIENCE & PROJECTS

Sound Transit Progress Map October 2024

Visualize Recent Sound Transit Progress

ArcGIS

- Developed a GIS-based progress map for the Washington State Department of Transportation (WSDOT) to assess the Sound Light Rail project's status.
- Sourced and processed datasets (LINKLine, LINKStations, STSubareas) from the Sound Transit Authority website for spatial analysis.
- Provided WSDOT with a comprehensive geographic overview, aiding in future transit planning and expansion into Seattle's urban areas.

Free Flo Box November 2024

Data Visualization for Social Impact

Tableau | SQL

- Collaborated with a team to develop and implement an interactive Tableau dashboard for analyzing and visualizing period product pantry utilization
- Calculated derived metrics, including estimated menstrual cycles supported and landfill waste diverted through reusable products, using custom calculations and data transformations.
- Streamlined embedding processes for seamless integration with the organization's website, enhancing user accessibility and outreach efforts.

NBA Game Predictor April 2024

Predict Winners using Python

Python | JupyterLab

- Utilized Playwright for automated web scraping of NBA game data and BeautifulSoup for parsing and extracting relevant statistics.
- Trained a machine learning model using scikit-learn.
- Developed a baseline predictive model using logistic regression to establish performance benchmark for NBA game outcomes.

TECHNICAL SKILLS

Front End | HTML

Back End | Java, Python, SQL, R

Developer Tools | IntelliJ, Git, JupyterLab

Data Analysis/Visualization | ArcGIS, Tableau