MARK JOSLIN

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PROFILE

Curious and results-driven with a passion for applying analytical insights to drive strategic decision-making. Proven success in data-driven solutions and KPI reporting, complemented by skills in Python, SQL, and PowerBI. Eager to leverage my data specialist background to innovate, learn, and make a meaningful impact in a dynamic and growth-oriented environment.

SKILLS

Tools: Python, R, SQL, DAX, Excel

Visualization: PowerBI, Matplotlib, ggplot2

Version control: GitHub, Azure DevOps

EXPERIENCE

4/2021– 5/2024 **Data Specialist (Remote)** **GCAPS**

- Performed literature reviews for NHTSA in areas such as AI in ADAS/ADS and traffic simulation tools.
- Maintained an internal website and SQL database to track driving simulation construction.
- Created digital reconstructions of crash and near crash scenarios using VTTI's database.

5/2019– 8/2019 **Cataloging Intern** **American Mathematical Society**

- Queried a large database for institution codes for authors in submitted journals.
- Prepared journals for storage and access in a database.
- Assisted in author notifications regarding missing journal information.

5/2016– 9/2017 **Durability Driver** **Stellantis**

- Conducted endurance tests identifying critical safety and performance issues.
- Ensured precise diagnostics and issue documentation.
- Maintained strict testing protocols to enhance vehicle reliability.

EDUCATION

9/2016– 12/2020 **B.S. in Data Science** **Western Michigan University**

- Coursework: Stat Design/Analysis Experiment, Big Data Analysis Using Python, Data Analysis Using R, Regression Analysis, Machine Learning, Survey Methods

8/2012– 5/2016 **A.S. in Engineering** **Schoolcraft College**

PROJECTS

Python **Lane Change Exploratory Analysis** **GCAPS**

- Created a script that performs dimensionality reduction and clustering on highway cut-in and lane change maneuvers with VTTI's naturalistic driving database. Visualized and described each factor's central tendency across clusters.
- The analysis helped the Division of Data and Analytics at VTTI better understand factors that affect these maneuvers compared to domain knowledge.

PowerBI **HR Analytics Dashboard** **GitHub**

- Developed a dashboard to analyze working preference of employees between work from home and work from office along with sick leave percentage on a daily and monthly basis.
- The report will help an employer when scheduling in-person meetings, product rollouts, and employee wellness.