



MARK JOSLIN

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Dear Hiring Manager,

I am excited to apply for the Finance Intern position at Purem. My passion for leveraging data to uncover meaningful insights began during my undergraduate studies when I discovered the field of data science. The opportunity to collaborate with professionals dedicated to the research in the automotive industry aligns with my enthusiasm for better mobility. Purem's focus on both classic and virtual development makes this role particularly appealing to me.

During my time at the Global Center for Automotive Performance Simulation (GCAPS), I gained valuable experience working with Virginia Tech Transportation Institute's (VTTI's) naturalistic driving data (NDD). I conducted exploratory analysis on highway cut-in and lane change maneuvers, providing the Division of Data and Analytics at VTTI with enhanced insights into the factors affecting these maneuvers, expanding conventional domain knowledge. I also maintained an internal database and developed an interactive website supporting the simulation team's virtual reconstruction of the NDD — a resource that enhanced their daily workflow. As a Finance Intern, I would apply these technical and analytical skills—paired with a strong commitment to learning the nuances of finance—to effectively support the accounting department's operations and decision-making.

I may have a gap in my employment history due to my health; however, I'm excited to start making a difference at Purem. In my spare time, I actively educate myself on all things finance from macro economics to individual stocks and crypto—a mindset that is beneficial in a finance role and Purem's view on the importance of continued learning. Additionally, I'm intimately aware how important our health becomes when not functioning properly, which gives me purpose to advance the automotive industry.

Thank you for your time and consideration. I look forward to learning more about the Finance Intern position at Purem.

Sincerely,
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 |
| | <ul style="list-style-type: none">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 |
| | <ul style="list-style-type: none">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 |
| | <ul style="list-style-type: none">Conducted endurance tests identifying critical safety and performance issues.Ensured precise diagnostics and issue documentation.Maintained strict testing protocols to enhance vehicle reliability. | |

EDUCATION

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|-----------------|---|------------------------------------|
| 9/2016– 12/2020 | B.S. in Data Science | Western Michigan University |
| | <ul style="list-style-type: none">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

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|---------|---|---------------|
| Python | Lane Change Exploratory Analysis | GCAPS |
| | <ul style="list-style-type: none">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 |
| | <ul style="list-style-type: none">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. | |