Joseph Despres

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EXPERIENCE

DRIV, SOUTHFIELD, MI   April 2021 – August 2021
Data Science Intern
- Statistical modeling point-of-sale data to recommend new product launches, wrote algorithms to identify inflection points in a product's lifecycle, pinpointed irregular purchasing patterns, quantified consumer responses to weather, economic conditions, and other exogenous factors.
- Automated a Google Trends data collection and preprocessing pipeline with Databricks. Generated and stored human readable monthly Excel reports on relative Google search term frequency, related search terms and search trends for each product category.
- Used machine learning methods in conjunction with statistical forecasting to automate model selection and generated automated forecasts for over 6,800 SKUs.
- Wrote statistical reports and presented findings to stakeholders with many different backgrounds.

MAGIC STEEL, WYOMING, MI   2016 – 2017
Steel Slitter set-up
- Slit steel coils with an accuracy of 0.004" with many calculations done by hand.

FEDEX GROUND, GRAND RAPIDS, MI   2015 – 2016
Package Handler
- Worked in teams up to five to move oversize overweight packages.

SKILLS

- Data Science Programming R and Python
- Data visualization and presentation
- Cloud Computing with Databricks
- Data Cleaning/Preprocessing
- R Markdown
- Jupyter Notebooks
- MS Office
- SQL
- MATLAB
- General Linear Models
- Mixed Models
- Forecasting
- XGBoost
- Version Control with Git

EDUCATION

Master of Science in Applied Statistics, Michigan State University   Expected: April 2022
Coursework: Statistical Inference, Industrial Mathematics, Data Mining, Stochastic Processes, Regression Analysis, Probability Theory, Experiment Design, Statistical Computation, Timeseries Econometrics and Machine Learning.

Bachelor of Science in Economics, Grand Valley State University   April 2020
Coursework: Multivariable Calculus, Linear Algebra, and Statistical Computation.
GPA: 3.92 *Magna Cum Laude*

Associates of Arts, Grand Rapids Community College   April 2018
GPA: 3.86 *Delta Pi Alpha* (top 5%)

AWARDS, CIRTIFICATES, AND SCHOLARSHIPS

- 2021 Databricks SQL Analyst
- 2019 R Programming A-Z (Udemy)
- 2019 Reifel Economics Scholarship
- 2018 GVSU Scholarship for Excellence
- 2018 Distinguished Community College Graduate Scholarship
- 2018 GV Award for Excellence
- *Phi Theta Kappa* Honors Society