

EDUCATION

University of Southern California, Master of Science - Computer Science	May 2025
Analysis of Algorithms, Deep Learning, Machine Learning for Data Science	
University of Pittsburgh, Bachelor of Science - Mathematics and Economics	July 2022
Probability & Statistics, Linear Algebra, Applied Econometrics, Game Theory, Calculus 1-3	

WORK EXPERIENCE

Mclearn Racing	Indianapolis
Data Engineer	August 2022 - July 2023
<ul style="list-style-type: none">Handled the receipt, cleaning, and preparation of data from clients using SAS, SQL, and Excel to assist data scientists in building marketing mix models that contributed to improved performance.Created a program in SAS that automated the refinement of linear regression models for different customer segments, streamlining routine processes and enhancing team efficiency.	

SKILLS

<ul style="list-style-type: none">Programming: SAS (base SAS and Macros), SQLSupervised Learning: linear and logistic regressions, decision trees, support vector machines (SVM)Unsupervised Learning: k-means clustering, principal component analysis (PCA)Data Visualization: Excel, Google Sheets
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PROJECTS

Fantasy F1 Modeling
<ul style="list-style-type: none">Wanted to stop losing at Fantasy F1 Manager so I aggregated and prepped 5 years of fantasy projection data into a MySQL databaseBuilt a random forest model in SAS that synthesized the various projections into a unified forecast, leading to improved predictive accuracy compared to other available methods.I had heck ton of points on it relative to my previous methodology

Strategy Recommendation Engine

<ul style="list-style-type: none">Aggregated data from F1nsight API and used k-nearest-neighbors in SAS to build a better recommendation system for making me predict winsI made better pitstop strategies while I play F1 Racing compared my previous methodology, making me win races.
