

JOE KRINKE

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EDUCATION

Duke University, Durham, NC

August 2019 - Present

Master's in Interdisciplinary Data Science

GPA: 3.86

Central Michigan University, Mt. Pleasant, MI

August 2015 - May 2019

Bachelor's in Statistics

Summa Cum Laude

GPA: 3.91

EXPERIENCE

Machine Learning Consultant

May 2020 - Present

myDrugCosts, Durham, NC

- As project lead, managed team of 3 and served as the primary liaison to company leadership.
- Implemented clustering algorithm to automatically identify new opportunities for drug cost reduction.
- Built dashboards for application users, company executives, and client organizations.
- Wrote Python script to detect undetected drug savings, capturing 34% more savings attributable to my client's product.

Marketing Analytics Intern

May 2019 - August 2019

Fresenius Medical Care, Lawrence, MA

- Designed a new patient scoring system for use in Salesforce CRM to optimize patient acquisition and retention.
- Created model evaluating the impact of market acceleration initiative on dialysis modality growth to identify regions of program effectiveness.
- Created Salesforce dashboards used to report on marketing KPIs and monthly metrics.

PROJECTS

Capstone Project

Duke University Schmid Lab

August 2020 - Present

- Used statistical models to determine how microorganisms utilize metabolic and genetic pathways to respond to stress. Currently developing a GUI to distribute model to researchers.

Classifying Covid-19 Lung Images

- Built a neural network to identify Covid-19 patients from lung CT scans with 93% precision.

Duke Datathon Competition

- Our team built a model to predict customer conversion rates using Valassis online shopping data. Our report was selected as one of the top 5 of 57 teams, and we presented our results to industry executives.

TECHNICAL SKILLS

Programming Languages: R, SAS, Python, Stata, SQL

Libraries: Scikit-learn, Pandas, NumPy, Matplotlib, TensorFlow, Keras, seaborn, Plotly

Tools: MS Azure, Tableau, Git, Power BI, Excel

Analytics: Regression, Deep Learning, Clustering Algorithms, Data Wrangling, Data Visualization, Data Storytelling