

Joshua Shamouil

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in <https://www.linkedin.com/in/joshua-shamouil/> kaggle <https://www.kaggle.com/joshuashamouil/code>

Professional Experience

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| Oct 2021 – present
New York | Quantitative Analyst, Haven Technologies <ul style="list-style-type: none">• Designed and built a full stack web application to automate validation process using flask• Managed and migrated actuarial excel tables using PostgreSQL databases• Built back end applications for the Haven actuarial tool using python |
| Sep 2019 – Oct 2021
Chicago, IL | Marketing Statistician, CNO Financial <ul style="list-style-type: none">• Saved \$500k developing classification ML models to drive marketing campaigns• Designed and automated reports to analyze customer retention and performance• Generated market opportunities by mapping geolocations of prospects, customers• Led Purdue data science internship program to find cross sell opportunities |
| Feb 2019 – Sep 2019
Summit, NJ | Quantitative Analyst, Markov Processes International <ul style="list-style-type: none">• Manage client projects in asset allocation, simulation, reporting, statistical analysis• Product and Calculations Specialist in MPI's Stylus investment analytics software• Proficient in automation of MPI's proprietary scripting languages |

Programming and Data Science Projects

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| 2023 | Wordle Solver, Web Application 🔗
Using Python along with Flask, Javascript, SQL Alchemy, HTML, and CSS I created an application that helps a user solve the Wordle puzzle by leveraging game mechanics and logic. |
| 2021 | Face Mask Image Detection, ML Model 🔗
Using image-classification and machine learning I built a model to identify if a person is wearing a facemask in a given picture using Keras and Convolutional neural nets |
| 2021 | Pharma Sales Churn Model, ML Model 🔗
In this model I leverage data cleaning, cross validation, and sci-kit learn to predict whether a pharmacy customer will make an additional purchase. |

Education

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| 2018
New Brunswick, NJ | Master of Science, Statistics, Rutgers University
Program: Financial Statistics & Risk Management |
| 2017
New Brunswick, NJ | Bachelor of Arts, Mathematics, Rutgers University
Double Minor: Economics, Statistics |

Interests

Freestyle Snowboarding, Cooking, Ultimate Frisbee, Kaggle, HS Reunion Committee, Volunteer Tutoring