Amanda Park

Data Scientist

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Grand Rapids, Michigan

GitHub
LinkedIn
Personal Website

SKILLS

Programming Languages
Python • R • SQL • Git • JavaScript • Java

Python Libraries
Pandas • NumPy • SciKit-Learn • Plotly
StatsModels • Keras • Tensorflow • PyTorch
Streamlit • Sphinx • ADTK • BeautifulSoup
Seaborn • Matplotlib • SciPy • SpaCy • NLTK

R Libraries
tidyverse • ggplot2 • dplyr • tidymodels
Shiny • R Markdown • pkgdown

Technical Skills
Data Cleaning • Statistical Analysis
Data Visualization • Machine Learning
Pattern Recognition • Regression Models
Classification Models • Text Analysis
Dashboarding • Version Control
Web Scraping & APIs • Deep Learning
Agile Methodologies

Programs
VS Code • Anaconda • RStudio • Tableau
Azure Data Studio • GitHub • Bitbucket
JIRA • Photoshop • Microsoft Office • Excel

Soft Skills
Problem Solving • Communication
Storytelling • Writing • Open-Mindedness
Project Management • Presentation Skills
Critical Thinking • Adaptability • Humor

Hobbies and Interests
Video Games and Game Development
Reading • Blogging • Streaming Media
Fitness • Tabletop Gaming (D&D) • Pixel Art

Master's educated data scientist with 3+ years of experience in data pre-processing, predictive modelling, and data mining algorithms. Proficient in both R and Python. Experienced with working in an Agile environment with cross-functional teams.

RELEVANT EXPERIENCE

Data Scientist at Spectrum Health
Grand Rapids, Michigan • August 2019 – Present

►Collaborated with relevant stakeholders across the organization on over a dozen data science projects and presented key findings to non-technical audiences
►Forecasted COVID-19 bed utilization with an evolving productionalized predictive model that executive leaders relied on for resource planning purposes
►Deployed multiple dashboards using R Shiny and Streamlit that monitored KPIs using anomaly detection, which facilitated precise targeting for improvement initiatives
►Developed an unsupervised machine learning algorithm that identified over $500,000 in potential savings for a high-risk healthcare population, and presented methodology to healthcare analytics professionals at the HDAA 2020 Conference
►Used Natural Language Processing to analyze hospital survey results and automated a previously manual labelling process of categorizing patient sentiment

Data Science Consultant at Internet Leads US
Manhattan, New York • April 2018 – August 2019

►Used A/B testing on website landing pages for a client, improving ad revenue by 10%
►Forecasted future ad revenue using Facebook's Prophet algorithm with 95% accuracy for ad-hoc decision making
►Identified sources of waste in an advertisement campaign using regression analysis, resulting in a 15% reduction in cost per lead

EDUCATION

Master's in Statistics from Binghamton University
Binghamton, New York • May 2019 • 3.7/4.0 GPA

►Achieved 97% prediction accuracy with high-dimensional data in Kaggle competition
►Coordinated with cohort to complete 4 statistical projects based on real-world data

Bachelor's in Mathematics from SUNY Cortland
Cortland, New York • May 2017 • 4.1/4.3 GPA

PROJECTS

Code for projects can be found by clicking on name of project.

Packages
Easyplotly (Python; 2021) • REasyEDA (R; 2021) • Easytidymodels (R; 2020)

Statistical Analyses
Pokédex NLP Analysis (R Shiny; 2021) • Classification Analysis (R Markdown; 2019)