Jillian P. Goodwyn

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PROFESSIONAL EXPERIENCE

IBM
Senior Data Scientist

Buffalo, NY
Nov 2021 - present

- Delivered supply chain predictive model as part of a 3 month proof-of-concept to large automotive client as part of a fully functioning user interface to improve delivery visibility
- Mentor 2 data science apprentices on project work, best practices, programming skills, and statistical approaches

Anthology Inc.
Data Scientist & Product Researcher

Buffalo, NY
Nov 2016 - Nov 2021

- Acquired, cleaned, and analyzed higher ed. and product software data
- Conducted user interviews and created applications and predictive models to automate processes, extract actionable insights, and deliver decision making aids from collected data
- Mentored 3 user experience experts in data science practices to broaden knowledge of collection and analysis of product usage data

IBM
Lead Business Analyst & Junior Data Scientist

Buffalo, NY & Washington, D.C.
Sep 2013 - Nov 2016

- Performed data analysis on rapid analytics projects to discover data trends and anomalies for 3 different Buffalo, NY companies
- Trained 2 junior business analysts in user interviewing skills, requirements building, and data analysis methods
- Developed use cases and requirements to deliver web apps and dashboards for 4 large scale government and healthcare projects in the Washington, D.C. area

MASTER'S PROGRAM PROJECTS

Good or Bad Borrower? Predicting Loan Default   *Mar - May 2021*
- Using LendingClub bank loan data, applied simple linear regression to identify strongest indicators of loan delinquency, and then ran random forest decision tree classification to predict the likelihood of new applicants paying back loans

Predicting Board Game Ratings   *Jan - Mar 2021*
- Mined, cleaned, and analyzed over 120,000 records of board games from BoardGameGeek to identify the characteristics of the most popular board games and predict how newly released games would rank publicly

Forecasting Customer Demand   *Aug - Dec 2020*
- Researched and delivered a range of customer purchasing forecasts using random forest regression and extreme gradient boosting models to inform the network design and modeling teams for a local food production supply chain

SKILLS

Programming Languages
- Python
- R
- SQL
- Spark

Data Visualization
- Power BI
- Tableau

Cloud Computing & DB
- Microsoft Azure
- Amazon AWS

Machine Learning
- Random forest classification & regression
- Extreme gradient boosting
- Text mining & analysis
- NLP
- Decision trees
- Neural networks

Certifications
- SPSS Modeler Data Mining - IBM Certified Associate
- Section 508 Compliance

EDUCATION

SUNY Buffalo State College Buffalo, NY
Data Science and Analytics Master of Science, projected graduation Spring 2022

Carnegie Mellon University Pittsburgh, PA
Bachelor of Humanities and Arts dual degree program, 2013 summa cum laude