Russell Brown

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Washington, D.C.

POSITION OBJECTIVE: Data Scientist / Data Analyst

Meticulous data scientist with extensive experience applying predictive models and statistical tests to develop key insights into data and communicating the results to audiences with varying levels of technical expertise. Outstanding critical thinker that quickly troubleshoots problems and finds solutions. Develops a fundamental understanding of the issue at hand and teaches others how to achieve the same.

Qualifications Include:

Statistics & probability • Risk Modeling • Machine learning • Deep learning • Data analysis • Natural language processing Bayesian Methods • Object-oriented programming • Python • R • SAS • SQL • Java • MATLAB • Mathematica • Javascript Shell scripting • Git • Tensorflow • Keras • Scikit-learn • Numpy • Pandas • Statsmodels • Tableau • Excel • Amazon Web Services • Teaching • Public Speaking •Presentations • Oral & written communications • Mandarin Chinese (conversational)

Technical Skills:
- Proficient in Python, SQL, Scikit-Learn, and Keras along with object-oriented programming in general
- Knowledgable in statistics and the mathematical theory behind machine learning and deep learning algorithms
- Highly skilled in data analysis, predictive modeling, and data visualization & presentation

PROFESSIONAL EXPERIENCE

General Assembly, Springfield, VA   **April 2018 – Present**
Instructional Associate
- Provide instructional support for General Assembly's part-time data science classes for professionals
- Assess student projects, deliver lectures, and provide online class support to students
- Analyze key student metrics for success and adapt the base curriculum to address student needs
- Deliver individually tailored instruction to students who are struggling with the curriculum

Neurocode, Rockville, MD   **September 2017 – Present**
Data Analyst
- Execute PostgreSQL queries to read and merge data from several multi-million row databases
- Utilize the Psycopg2 library and SQL queries in Python to interface with databases
- Design scripts to clean and pre-process data for use in machine learning libraries
- Apply clustering and time series analysis to develop fraud detection models for use in the 2020 US census

RELATED EXPERIENCE

SELF EMPLOYED, Rockville, MD   **August 2008 – Present**
Private Tutor (Math, Physics, Chemistry)

EDUCATION
B.S., Mathematics, specializing in Physics, University of Maryland, College Park 2017

PROFESSIONAL DEVELOPMENT AND CERTIFICATIONS
- Deeplearning.ai, Deep Learning Specialization, Online, 2018
- Data Science Immersive, General Assembly, Washington, D.C. 2017
- Google Foobar Creative Coding Challenges, Level 5, 2017
- Society of Actuaries, Exam FM – Financial Mathematics, 2015
- Society of Actuaries, Exam P – Probability, 2014