Jay Shapiro

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EXPERIENCE

Data Science   Nov 2019 - Mar 2020
B&W Tek LLC   *Newark, DE*
- Used Markdown and R to demonstrate how proprietary software could improve its implementation of qualitative analysis of customer data
- Investigated performance of several proprietary algorithms to identify limitations and suggest improvements for the classification of organic compounds
- Continued responsibilities of Service Engineer position

Service Engineer   July 2018 - Mar 2020
B&W Tek LLC   *Newark, DE*
- Created tracking sheet to monitor interdepartmental service cases to find inefficiencies
- Performed and provided compliance documentation and services to clients and distributors to meet pharmaceutical and governmental standards
- Advised and tested dozens of versions of software, firmware, and hardware configurations for a variety of Raman systems, spectrometers, and handheld devices
- Received, troubleshot, and repaired faulty equipment and software while maintaining responsibility for final quality control checks

Production Technician   Dec 2017 - July 2018
B&W Tek LLC   *Newark, DE*
- Revised and drafted dozens of internal technical documents and SOPs
- Provided feedback and suggestions on design features and assembly processes to the engineering team and worked jointly with them to ensure functional production of units
- Assembled, aligned, calibrated, and tested Raman systems, spectrometers, and laser systems at the mechanical, electrical, and optical levels

SKILLS

Languages: Python, SQL, R, CSS, HTML, C#
Frameworks/Tools: Spark, Azure, AWS, Flask, Unity, Plotly, Tensorflow, Keras, NumPy, pandas

EDUCATION

University of Virginia   Aug 2012 - May 2016
Bachelor's Degree in Physics   *Charlottesville, VA*

DataCamp: "Data Scientist with R" Track (22 courses)   Oct 2019 - Dec 2019
DataCamp: "Machine Learning Scientist in R" (15 courses)   Jan 2020 - Aug 2020
Coursera: "Python for Everybody" Specialization (5 courses)   Jun 2020 - Aug 2020
Coursera: "SQL for Data Science" Specialization (4 courses)   Jun 2020 - Aug 2020

Coursera: "Business Foundations" Specialization (5 courses)   Jun 2020 - July 2020