

# Jay Shapiro

[onecalledsyn.github.io](https://onecalledsyn.github.io)

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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, troubleshooted, 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: Spark, Azure, AWS, Flask, Unity, Plotly

## 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