

David Hurley

Philadelphia, Pennsylvania

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DATA SCIENTIST

Data scientist with 10 years of experience implementing advanced analytics solutions for businesses with a focus on predictive modeling, dashboard creation, and risk analysis. Adept at leveraging Python/R and SQL to make impactful models to improve performance and find issues. Passionate about machine learning and finding solutions to complex problems with high impact. Proven ability to automate tasks to improve efficiency in a manner above and beyond job requirements.

Core Competencies:

- Predictive Modeling
- Python
- R
- SQL
- AI/ML
- Feature Engineering
- Salesforce Admin
- AWS
- Risk Analysis
- Excel VBA
- Power BI
- Tableau

EXPERIENCE AND ACCOMPLISHMENTS

Personal Data Science Projects

- Developed machine learning model to predict optimal long-term buy and sell days for the S&P 500 based on macroeconomic data used as recessionary indicators, technical indicators, and important dates.
- Created interactive Flask app in AWS using Lambda to display model results

Cenlar FSB

Yardley, Pennsylvania

2021 to 2023

Enterprise Risk Management Analyst

- Developed dashboards and reports within Process Unity, the Enterprise GRC CRM using complex SQL expressions
- Performed system administrator tasks by addressing user issues and keeping system up to date with change management
- Managed, ran, and updated Access SQL database for Risk and Controls data management
- Generated weekly and monthly corporate performance reports for management to evaluate overall company status
- Created ad hoc reports and dashboards in Excel, Salesforce, and Power Point as requested by upper management

KEY ACCOMPLISHMENTS:

- Validated SQL based reports by converting SQL code into Excel macros in order to compare to csv data pull
- Improved performance of data automation solutions by programming Excel VBA shortcuts

Dextar World Trade

Hamilton Township, New Jersey

2021-2021

Data Analyst and Account Manager

- Supported back log reports to audit data discrepancies, cross referencing information from Highjump WMS, and Netsuite
- Developed and presented data insights to management via financial reports on all the high revenue accounts.
- Served as main point of contact for clients and provide high quality customer service

KEY ACCOMPLISHMENTS:

- Programmed Excel VBA scripts to automate dashboard creation that substantially cut business workload
- Presented daily reports on and managed multiple accounts worth over a million dollars

Hurley Farms

Columbia City, Indiana

2014-2020

Assistant Manager

- Collected, maintained, and reported detailed financial records about KPIs to better business decisions
- Accurately projected business net return and growth of assets, such as livestock, crops, and machinery
- Managed a team of 6 people through collaborative teamwork in a high-pressure work environment

KEY ACCOMPLISHMENTS:

- Led multiple critical time sensitive projects that resulted in more than \$50,000 in asset gains for business.

Tippecanoe Lake Country Club

Leesburg, Indiana

2012-2012

Data Analyst Intern

- Calculated and summarized analysis results of dead weight loss data created by inefficient price discrimination
- Evaluated risk analysis of new price point strategy by calculating price elasticity of previous price changes.

KEY ACCOMPLISHMENTS:

- Created and presented an optimized price point strategy in collaboration with management team and board of directors that resulted in strategic business changes

EDUCATION

MASTERS OF DATA SCIENCE

Eastern University

2025

BACHELOR OF HISTORY

Indiana University Bloomington

2020

CERTIFICATE IN BUSINESS FOUNDATIONS

Kelley School of Business IU Bloomington

2017