Kyle Johnson

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Data analyst and Wharton Business School graduate with a passion for problem solving and learning. Currently embarking on a new career exclusively in data science. Excellent problem solving and analytical skills. Experience with statistics, advanced mathematics and analytical techniques. Skills in Python, R, SQL and JavaScript and visualization techniques from University of Kansas Data Analytics Bootcamp.

Excellent communication skills and ability to interact with a wide variety of audiences. Maintains professional deportment, even in difficult situations. Seeking to use business knowledge and previous experience operating a custom manufacturing company in conjunction with news skills to provide insightful and actionable analysis.

Professional Experience

Kingston Printing   May 2014 - April 2022
Business Intelligence Analyst / Business Analyst   Eudora, KS
- Data collection for 60 employee manufacturing operation, analyze data to create dashboards and visualizations
- Oversaw 2015% increase in sales from 3.2mm to 7mm annually
- Use relational databases to compare company performance to industry standards and best practices to improve operations
- Analyze, research and affect equipment acquisitions, increasing capacity and reducing cost
- Lead IT development efforts using an Agile framework
- Develop ETL pipelines to capture customer datasets and store in company relational databases
- Document business processes and business requirements, aiding development of solutions
- Develop user stories and user documentation for IT systems

Kingston Printing   Jan 2003 - May 2014
Data Analyst / Business Analyst   Eudora, KS
- Created and maintained relational database system in Filemaker Pro
  - Estimating, Order Processing, Real Time Production Data, Scheduling, Invoicing
  - Created API workflows using JSON and XML to automate communication with vendors
- Redesigned prepress workflow implementing automation, reduced employee count by 40%
- Use scripting languages: Python, AppleScript and Filemaker Pro to create scripts to automate routine tasks
- Led data mining project on estimating system which combined with data scraping of competitors pricing, leading to a 17% increase in estimate conversion rate
- Troubleshoot issues with existing systems, solve problems by creating more robust or streamlined applications
- Built statistical models to predict

Technical Skills

- Expert user: MS Office (Microsoft Office), Microsoft Excel (Pivot Tables, VBA), MS Access, MS Word, APIs, Adobe Creative Suite, Filemaker Pro, Quickbooks Pro, Relational databases
- Intermediate User: Python, Pandas, JavaScript, R, XML, JSON, SQL, postgreSQL, SQLAlchemy, AWS, Git, GitHub, Tableau, Machine Learning (Tensorflow, scikit-learn), NoSQL databases
- Familiar with: Jira, PySpark, MongoDB, AppleScript, Power BI, my. SQL

Projects

Effects of Climate on Wine | https://wineclimate.herokuapp.com/
Group
- The purpose of this project is to determine if there is a relationship between climate and the quality of wine, and if so what the future effects of climate change might have on wine quality.

- Used Python and Pandas to clean data and SQLAlchemy to add it to a PostgresSQL database.
- Used Sci-kit Learn to build linear regression model and Tensorflow / Keras to create a deep learning model.
- Created dashboard with html, javascript and flask, with elements created in leaflet.js and plotly.

Invoice Processing | Kingston Printing
- Used RESTful API to retrieve JSON data to create records in filemaker database tables
- Records were coded and updated in filemaker, then transferred to Quickbooks automatically via XML
- Reduced labor expense by more than one full time employee equivalent

Mission to Mars | https://github.com/kylejohnsonks/Mission-to-Mars
Individual
- The purpose of this project is to use web scraping to retrieve images, tables and text from a variety of sources, store the information for later retrieval and display in a webpage.
- Scraping is accomplished with python, using Splinter and BeautifulSoup and results are saved in a mongo database. The results are displayed in an html page using flask.

Education

University of Kansas Data Analysis Bootcamp   Lawrence, KS
Certificate

Wharton School of Business, University of Pennsylvania   Philadelphia, PA
Bachelor of Science in Economics – concentrations in Finance and Information Management