Connor Larson

PRODUCT DATA ANALYST

Grand Rapids, MI

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Work Experience

Dematic North America *Grand Rapids, MI*

DATA ANALYTICS ENGINEER *May 2017 - Present*

- Produced dashboards and analytical solutions in order to support suggested improvements to customer warehouse systems with a focus on customer-facing projects, delivering process improvement based analytics solutions.
- Developed dashboards and data feeds based on warehouse throughput and operator rates that analyze warehouse systems to determine if there are bottlenecks, system health failures, and other areas to provide recommendations for improvements of operations.
- Designed and architected new analytics products based on industry-wide warehousing and equipment efficiency metrics.
- Led customer relations in delivery of analytics solutions including training for use of solutions and iterative improvements based on customer feedback.
- Worked with customers and key internal stakeholders to define, implement, and deliver solutions to solve new problems.
- Created process improvements and development time reductions by standardizing data pipelines and solutions.
- Delivered IoT Sensor Time-Series Analysis dashboarding and anomaly detection. Focused on finding anomalous sensors and sections of data for predictive maintenance.

Spectrum Health *Grand Rapids, MI*

SOFTWARE DEVELOPMENT INTERN *May 2016 - August 2016*

- Data management, analysis and remediation duplicates in healthcare provider databases. Looked for and determined if there were issues in databases or health care provider data.
- Scanned internal applications for software security flaws and advised remedies to security issues

Technical Skills

Data Analysis

PYTHON, R, SQL, TABLEAU

- Time-series analysis and trending of warehouse operations data in SQL and Tableau to create process improvements in the warehouse system
- Classification of personal health and Kaggle competition data using SVM, Naive Bayes, Classification Trees, and Artificial Neural Networks in R and Python
- NLP Processing and information retrieval of work order and maintenance notes in Python to understand common maintenance issues and performance
- Quantitative and regression analysis of warehouse operations, game competition, Craiglist car sales, and housing sales data

Data Visualization

TABLEAU, R

- Customer KPI-focused dashboarding using Tableau, including Time-Series analysis and overall summary statistics developed with a focus on visualizing actionable data for warehouse improvements
- Exploratory dashboarding of school, video game, and Kaggle competition data using Tableau and R. Designed for information learning and exploratory data analysis
- Continuous improvement of dashboard processing, focused on real-time analytics and reducing processing time by offloading performance from data visualization engines

Data Engineering

SQL, SSIS, PYTHON, .NET, C++

- Architecture of data pipelines for standard and non-standard solutions based on customer needs and industry trends
- Development of complex SQL queries for extraction of data from multiple databases and aggregation for analysis
- Creation of data transformation processes thorough Microsoft SQL Server Integration Services, .NET programming, and Power-shell scripting
- Data manipulation and cleansing using Python in order to enrich data with feature engineering and duplicate reduction
- SQL Server database management via table, index, stored procedure, and view administration
- Development of high-performance computing systems such as parallel programming, GPU computing, clustered and cloud computing

Education

University of Michigan *Ann Arbor, MI*

B.S.E. DATA SCIENCE *2013-17*

Public Portfolio

Kaggle
HTTPS://WWW.KAGGLE.COM/CJLARSON
- Participation in online data science competitions and analysis

Tableau Public
HTTPS://PUBLIC.TABLEAU.COM/PROFILE/CONNOR7763#!/
- Visualization of data of personal interest

Github
HTTPS://GITHUB.COM/CJLARSON0
- Github for school and general side project work