Douglas Krouth

Software Engineer

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Experience

Software Engineer
Mar 2022 - Present

Schneider National Inc.

- Software development contributor on multiple enterprise-level Python, R, and Java projects
- Coordinated Agile project management for a small team of software developers working on a cloud-based machine learning product
- Responsible for software system implementation, architecture reviews, and performance analysis of data science, supply chain scheduling, and web API products
- Performed code reviews and system deployments to assist research, operations, and prototype efforts

Associate, Data and Reporting Team
Oct 2021 - Mar 2022

HORNE – Government Services

- Responsible for development and administration of grant funding reports for state and federal government stakeholders using Microsoft Power BI, SQL and Python
- Created data automation software using Python and Azure virtual machines

Petroleum Data Science Intern
Jun 2020 - Dec 2020

Kwik Trip, Inc.

- Worked with financial and petroleum analytics teams to analyze current and potential marketing trends across 800+ store locations
- Created MS SQL Server databases, Power BI reports, and Python data automation scripts

Supply Chain Analytics Intern
Jun 2019 - Aug 2019

Colony Brands, Inc.

- Created SOP's for product liquidation and inventory melt protocols which applied to 8 different brands and the entire company's merchandising network

Quality Analyst Intern
Jun 2018 - Aug 2018

Saint-Gobain Performance Plastics

- Completed labor operations audits, developed QC protocol and created internal data analysis tools with Excel VBA for three different on-site production facilities

Education

B.S. Applied Mathematics; Minor in Computer Science
Sep 2017 - Aug 2021

University of Wisconsin - La Crosse

- Research grant recipient – USGS, UWL LTRM Topological Data Analysis partnership (1.5 year duration)
- 2019 Kwik Trip applied data science competition – Team leader of 1st place group
- Text analysis project (n-gram, phrase structure) for La Crosse County - Habitat for Humanity
- *ONE Campaign* campus president, provisional lobbyist
- University-sponsored math tutor, UWL Mathematics Department office assistant

Skills

Programming Languages	Proficient: *Python*, *Java*, *SQL*, *R*, *HTML* || Basic Knowledge: *C++*, *C*
Software / Tools	Linux (Debian, Red Hat), Docker, Kubernetes, Git, Azure (AKS, APIM, VM), Jupyter, PagerDuty, DynaTrace, Power BI, SQLite, MS SQL Server, Oracle SQL Developer, Flask, Selenium, MS Office Suite, Vim