

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 Python, Microsoft Power BI, and MS SQL Server
- Created data automation software using Python and Azure virtual machines

IT Support Specialist (Freelance)

Jul 2021 - Dec 2021

McMurphy Homes LLC

- Company-wide software implementations involving website design, data management with Google Drive and MS Office 365, MS Power BI, and MS Power Automate

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

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