CALEB ROPER

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EDUCATION

Bachelor of Science in Data Analytics, Purdue University Global (GPA: 3.94)   June-2024

EXPERIENCE

Lead Data Analyst / IT Business Analyst | Administer Justice | Elgin, IL   Sept.-2021- Nov.-2023

- *SQL Expertise and Data Migration:* Designed and implemented a robust data pipeline architecture and Relational Database Management System (RDBMS) for a reporting and visualization product, leading a team of six. Successfully scaled from 0 to 72 operational instances, optimizing processes for 52 partners and saving over 15 hours per week by eliminating manual reporting tasks. Utilized SQL for data migration, querying, and database creation.
- *Advanced Reporting and Insights:* Developed comprehensive internal reports by aggregating and transforming unstructured data from 12 disparate sources using MS Fabric, Azure Data Factory, and PowerBI. Created detailed specifications for reports and analyses based on business needs, providing actionable insights that significantly contributed to strategic decision-making.
- *Proficiency in Database Technologies:* Leveraged Microsoft Azure Synapse Analytics to enhance data processing and storage capabilities, demonstrating expertise comparable to Teradata. Proficient in SQL Server Management Studio for efficient database management and report generation.
- *PowerBI Dashboards and Data Security:* Developed, maintained, and iterated PowerBI dashboards with row-level security to ensure data integrity and controlled access. Enabled senior leadership and partners to make informed data-driven decisions through accurate and insightful reporting.
- *Cross-Functional Collaboration and Tool Generation:* Acted as a liaison between business and data teams, generating tools leveraged in creating actionable analyses and reports. Provided IT support for EDI systems and managed timely service delivery for active projects, enhancing operational efficiency.

Digital Transformation Internship| Administer Justice | Elgin, IL   June 2020 – Aug. 2020

- *Database Management and Problem-Solving:* Formulated and provided problem-solving recommendations by leveraging expertise in database management, data ingestion, transformation, relationship modeling, dashboard organization, and data visualization.
- *Automation and Scalability:* Automated tasks, laying the foundation for scalability from a laptop-scale to a cluster-scale, saving the organization over 20 hours per week.
- *Digital Transformation Recommendations:* Bridged the gap between data insights and client outcomes by utilizing Azure Synapse Analytics and PowerBI to deliver digital transformation recommendations to key stakeholders.

Stock Analyst | Knight Investment Management, Calvin University | Grand Rapids, MI   Sept. 2019 – Sept. 2021

- *Portfolio Management and Asset Allocation:* Directed portfolio management and asset allocation strategies for Calvin University's $2.8M student endowment fund, achieving a notable 3.1% return on holdings during tenure.
- *Mentorship:* Mentored 9 analysts as Sector Head, fostering their professional development and growth opportunities.

SKILLS

- Jira and Confluence
- PowerBI, MS Fabric
- Data Modeling
- Data Integration
- Database Structures

TECHNICAL SKILLS

- SQL, SQL Server Management Studio, NoSQL
- MS Excel, MS PowerPoint, MS Office
- Python, R, (RStudio), Git, GitHub
- DAX, M Code
- Microsoft Azure Synapse Analytics