Dylan Tocci

Hilliard, Ohio

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Work Experience

Data Engineer
CollisionRight
Feb 2025 – Present

- Developed webhooks and other real-time data solutions enabling projects that are projected to save millions annually.
- Developed web and email scrapers for automated insurance claim reconciliation saving $100K+ annually.
- Developed a scalable file transport system for S3, SFTP, and SharePoint, saving $70K+ annually.
- Created QA dashboards for payroll and investigated edge cases, reducing manual error resolution by 20%.
- Designed a scalable automated file creation system for data export using stored procedures.
- Communicated with business leadership to gather requirements and define the scope.
- Deployed projects with automated testing, deployment, error logging, and failure notifications on AWS Lambda and GitHub.
- Created external Snowflake tables from raw JSON/CSV, set up DBT ELT jobs, and designed fact tables for Power BI.

Software Developer
Freelance
Dec 2022 – Present

- Built ETL pipelines and full stack applications.
- Saved 10+ hours weekly of manual data entry with ETL pipelines.
- Built front-end data visualizations with Matplotlib, Seaborn, and Plotly.
- Developed a full-stack reporting application in React, TypeScript, and Python.
- Extracted real estate and mortgage data using APIs and web scraping.

Data Analyst
Matic
Jul 2024 – Jan 2025

- Developed retention dashboards in Metabase and Tableau.
- Automated data cleaning and reconciliation with Python/SQL.
- Aggregated call data for routing and efficiency improvements.
- Created call queue and sales efficiency reporting dashboards.

Data Engineer
T-Cetra LLC
Aug 2023 – Jan 2024

- Automated error reporting and data cleaning, cutting processing time from hours to seconds.
- Automated weeks of manual work creating profitability metrics.
- Implemented web scraping for timely SQL data ingestion.

Skills

Languages:
- Python
- SQL
- JavaScript
- HTML/CSS

Frameworks/Packages:
- Pandas/NumPy
- FastAPI/Flask
- PyTorch/Scikit-learn
- SQLAlchemy
- Requests/Selenium
- Matplotlib/Seaborn
- React/TypeScript

Tools:
- AWS (Lambda,ECS,EC2,S3)
- Docker
- GitHub
- DBT

Databases:
- Snowflake
- MSSQL
- PostgreSQL
- SQLite

Education

Masters of Data Science
Mar 2025 – Dec 2025
Illinois Institute of Technology

Bachelor of Science
Mathematics
Aug 2019 – July 2023
Mayville State University