

Dylan Tocci

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S K I L L S

Programming Languages: Python, SQL, JavaScript, TypeScript, HTML/CSS

Data & ML: Pandas, NumPy, Scikit-learn, PyTorch

Backend, APIs & Automation: FastAPI, Flask, SQLAlchemy, Requests, Selenium, Beautiful Soup

Visualization & Frontend: Matplotlib, Seaborn, React

Cloud & DevOps: AWS (Lambda, ECS, EC2, S3, Step Functions), Docker, GitHub, DBT

Databases: Snowflake, MSSQL, PostgreSQL, SQLite

E X P E R I E N C E

DATA ENGINEER

CollisionRight

Feb 2025 – Present

- Developed real-time webhooks enabling projects projected to save millions annually.
- Developed web and email scrapers for automated reconciliation saving \$100K+ annually.
- Built a scalable S3/SFTP/SharePoint file transport system, saving \$70K+ annually.
- Reduced payroll error resolution by 20% using QA dashboards for edge cases.
- Designed a scalable automated file creation system using stored procedures.
- Communicated with business leadership to gather requirements and define the scope.
- Set up automated testing, deployment, logging, and failure alerts on AWS and GitHub.
- Set up and designed Snowflake external tables, DBT ELT jobs, and Power BI fact tables.

SOFTWARE ENGINEER

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.
- Verified A\B testing in new call queue routing system.
- Created call queue and sales efficiency reporting dashboards.

DATA ENGINEER

T-Cetra

Aug 2023 – Jan 2024

- Eliminated hours of manual data cleaning and error reporting with python.
- Automated weeks of manual work creating profitability metrics.
- Implemented web scraping for timely SQL data ingestion.

E D U C A T I O N

ILLINOIS INSTITUTE OF TECHNOLOGY | *Masters of Data Science*

Mar 2025 – Dec 2025

MAYVILLE STATE UNIVERSITY | *Bachelor of Science in Mathematics*

Aug 2019 – July 2023