

# Tony DiRubbo

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## Education

<b>Syracuse University</b> , School of Information Studies, Syracuse, NY	<i>May 2026</i>
<b>M.S. Applied Data Science</b> ; <i>Secondary Cores</i> : Artificial Intelligence, Data Pipelines and Platforms – 4.0 GPA	
<i>Relevant Coursework</i> : Software Engineering for AI Applications   Deep Learning   Applied Machine Learning   Natural Language Processing   Data Administration Concepts and Database Management   Big Data Analytics	
<b>St. John Fisher University</b> , Rochester, NY, <i>Summa Cum Laude</i>	<i>May 2024</i>
<b>B.S. Computer Science; B.S. Media Management</b> ; Minor in Data Analytics – 4.0 GPA	
<i>Relevant Coursework</i> : Web Development   Discrete Mathematics   Econometrics   Networking   DB Security	

## Applicable Technical Skills/Certifications

<b>Programming &amp; ML</b> : Python (TensorFlow, PyTorch, Scikit-learn, NumPy, Flask), Java, C/C++, Swift, n8n
<b>Data Engineering &amp; Cloud</b> : SQL, Snowflake, dbt Cloud, MongoDB, Chroma, Docker, Microsoft Azure, AWS
<b>Web &amp; App Development</b> : JavaScript, HTML/CSS, Bootstrap, Electron, WordPress, Google Analytics, Flutter
<b>Analytics &amp; BI</b> : Power BI, Tableau, SPSS, Excel (Pivot Tables, Solver, VBA), R

## Work Experience

<b>Digital Workflow / System Automation Co-op</b> , Tessy Corporation, Syracuse NY	<i>December 2026 – Present</i>
<ul style="list-style-type: none"><li>• Reverse-engineered SmartSheet workflows to extract logic and enable digital migration</li><li>• Built automated Microsoft 365 solutions using Power Automate, SharePoint, and Power Apps</li><li>• Developed pseudocode and modular logic to improve workflow scalability</li><li>• Implemented data validation, error handling, and documentation for reliable automation</li></ul>	
<b>Global Master Data / Project Analyst Co-op</b> , CooperVision, Rochester NY	<i>March 2025 – August 2025</i>
<ul style="list-style-type: none"><li>• Utilized Java, Visual Basic, and Oracle to develop applications to assist with the data pipeline</li><li>• Constructed Python scripts to perform large-scale data changes and updates</li><li>• Reviewed and signed-off on data entry/changes to ensure data governance between regional systems</li><li>• Pulled data for inquiry and analysis for finance, sustainability, and customer service teams using SQL</li></ul>	

## Project Experience

<b>Large Language Model Dietician App</b> <i>Software Engineering for AI Applications</i>	<i>Fall 2025</i>
<ul style="list-style-type: none"><li>• Built a multi-agent AI application to provide personalized recipe recommendations based on user goals</li><li>• Integrated OpenAI API to automatically detect pantry ingredients from photos for quick analysis</li><li>• Orchestrated AI agents with LangChain to work in parallel to sort recipes with quick response</li><li>• Implemented persistent user profiles with long-term memory to maintain dietitian goals and preferences</li></ul>	
<b>Data Warehouse Optimized ETL</b> <i>Data Warehouse Management</i>	<i>Fall 2025</i>
<ul style="list-style-type: none"><li>• Built a Python, Snowflake, and dbt, ETL pipeline to ingest IMDb data and load conformed dimensions</li><li>• Modeled fact tables for ratings, releases, and genre trends with clear grains, keys, and documentation</li><li>• Designed dimensional schemas for title, genre, time, person, and country to standardize analytics</li><li>• Created Power BI dashboards to visualize rating patterns, release volumes, and genre performance</li></ul>	

## Leadership Experience

<b>Team Lead</b> , Nexas Technology Lab, Syracuse NY	<i>January 2025 – December 2025</i>
<ul style="list-style-type: none"><li>• Built <i>MindFeed</i>, an iOS app that generates short-form educational videos for high school students</li><li>• Built the Swift frontend and integrated OpenAI APIs with the newly released Sora 2 video pipeline.</li><li>• Led weekly meetings, managed timelines, and planned tasks across frontend, backend, and ML groups</li></ul>	