

# 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; Secondary Cores:</b> 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   Scripting for Data Analysis   Big Data Analytics   Mobile Development	
<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 Design   Database Management and Security   Econometrics   Networking	

## Applicable Technical Skills/Certifications

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

## Work Experience

<b>Digital Workflow / System Automation Co-op</b> , Tessy Corporation, Syracuse NY	<i>December 2026 – Present</i>
• Reverse-engineered SmartSheet workflows to extract logic and enable digital migration	
• Built automated Microsoft 365 solutions using Power Automate, SharePoint, and Power Apps	
• Developed pseudocode and modular logic to improve workflow scalability	
• Implemented data validation, error handling, and documentation for reliable automation	
<b>Global Master Data / Project Analyst Co-op</b> , CooperVision, Rochester NY	<i>March 2025 – August 2025</i>
• Utilized Java, Visual Basic, and Oracle to develop applications to assist with the data pipeline	
• Constructed Python scripts to perform large-scale data changes and updates	
• Reviewed and signed-off on data entry/changes to ensure data governance between regional systems	
• Pulled data for inquiry and analysis for finance, sustainability, and customer service teams using SQL	

## Project Experience

<b>Large Language Model Dietician App</b> <i>Software Engineering for AI Applications</i>	<i>Fall 2025</i>
• Built a multi-agent AI application to provide personalized recipe recommendations based on user goals	
• Integrated OpenAI API to automatically detect pantry ingredients from photos for quick analysis	
• Orchestrated AI agents with LangChain to work in parallel to sort recipes with quick response	
• Implemented persistent user profiles with long-term memory to maintain dietitian goals and preferences	
<b>Data Warehouse Optimized ETL</b> <i>Data Warehouse Management</i>	<i>Fall 2025</i>
• Built a Python, Snowflake, and dbt, ETL pipeline to ingest IMDb data and load conformed dimensions	
• Modeled fact tables for ratings, releases, and genre trends with clear grains, keys, and documentation	
• Designed dimensional schemas for title, genre, time, person, and country to standardize analytics	
• Created Power BI dashboards to visualize rating patterns, release volumes, and genre performance	

## Leadership Experience

<b>Team Lead</b> , Nexas Technology Lab, Syracuse NY	<i>January 2025 – December 2025</i>
• Built <i>MindFeed</i> , an iOS app that generates short-form educational videos for high school students	
• Built the Swift frontend and integrated OpenAI APIs with the newly released Sora 2 video pipeline.	
• Led weekly meetings, managed timelines, and planned tasks across frontend, backend, and ML groups	