

## Anthony DiRubbo

+1 (315) 876-6023 • [afdirubb@syr.edu](mailto:afdirubb@syr.edu) • [linkedin.com/in/tonydirubbo](https://www.linkedin.com/in/tonydirubbo) • [adirubbo13.github.io](https://github.com/adirubbo13)

### Education

---

**Syracuse University**, School of Information Studies, Syracuse, NY *May 2026*

**M.S. Applied Data Science**; *Secondary Cores*: Artificial Intelligence, Data Pipelines and Platforms – 4.0 GPA

*Relevant Coursework*: Software Engineering for AI Applications | Deep Learning | Applied Machine Learning | Natural Language Processing | Data Administration Concepts and Database Management | Big Data Analytics

**St. John Fisher University**, Rochester, NY, *Summa Cum Laude* *May 2024*

**B.S. Computer Science**; **B.S. Media Management**; Minor in Data Analytics – 4.0 GPA

*Relevant Coursework*: Web Development | Discrete Mathematics | Econometrics | Networking | DB Security

### Applicable Technical Skills/Certifications

---

**Programming & ML**: Python (TensorFlow, PyTorch, Scikit-learn, NumPy, Flask), Java, C#, C++, Swift, n8n

**Data Engineering & Cloud**: SQL, Snowflake, dbt Cloud, MongoDB, Chroma, Docker, Microsoft Azure, AWS

**Web & App Development**: JavaScript, HTML/CSS, React, Bootstrap, Electron, WordPress, Flutter, .NET

**Analytics & BI**: Power BI, Tableau, SPSS, Excel (Pivot Tables, Solver, VBA), R, Google Analytics

### Work Experience

---

**Digital Workflow / System Automation Co-op**, Tessy Corporation *December 2025 – Present*

- Assisted in maintaining and extending capabilities for a .NET microservice environment
- Designed a JSON-driven workflow engine with dependency-aware task states and overrides
- Created and optimized SQL stored procedures for frontend integration using Azure Web Services
- Implemented a CI/CD DevOps pipeline for quick microservice upgrades and delivery

**Global Master Data / Project Analyst Co-op**, CooperVision, Rochester NY *March 2025 – August 2025*

- 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
- Pulled data for inquiry and analysis for finance, sustainability, and customer service teams using SQL
- Reviewed and signed off on data entry/changes to ensure data governance between regional systems

**Graduate Student Researcher**, Nexis Technology Lab, Syracuse NY *January 2025 – Present*

- Developing adaptive AI resources to enhance student learning and engagement
- Collaborating with a team of five graduate students, meeting weekly to coordinate research efforts
- Leading semester-based projects focused on consistent AI themes across multiple terms
- Presenting research progress and outcomes at end-of-semester poster symposiums

### Project Experience

---

**Large Language Model Dietician App** *Software Engineering for AI Applications* *Fall 2025*

- 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 dietician goals and preferences

**Data Warehouse Optimized ETL** *Data Warehouse Management* *Fall 2025*

- 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