

Dylan Flynn

Philadelphia, PA | 19103

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PROFESSIONAL SUMMARY

Analytics and AI professional with experience in business intelligence, forecasting, machine learning, and research. Delivered data-driven insights for Fortune 500 stakeholders at Johnson & Johnson, developed executive-facing dashboards for academic leadership, and contributed to peer-reviewed research in AI and optimization. Skilled in SQL, Python, Tableau, and translating complex data into actionable business recommendations.

EDUCATION

Saint Joseph's University

Master of Science in Business Intelligence and Analytics

GPA 3.88

Philadelphia, PA

May 2026

Saint Joseph's University

Bachelor of Science in Business Administration, Bachelor of Science

Double Major: Machine Learning and Artificial Intelligence, Physics

GPA 3.79; Magna Cum Laude with Honors

Philadelphia, PA

May 2025

RELEVANT EXPERIENCE

Self-Employed

AI Evaluation & Quantitative Research Consultant

- Analyze model trajectories and outputs to identify reasoning failures, statistical errors, workflow breakdowns, and opportunities for improved model reliability.
- Develop quantitative research and analytical workflows for confidential decision-making and market-analysis engagements.

Philadelphia, PA

June 2026-Present

AI at Haub School of Business

Graduate Assistant

- Developed Tableau dashboards and reporting workflows using SQL, Python, and Excel to support executive decision-making within the Dean's Office.
- Designed and analyzed AI adoption surveys across faculty, students, and employers, synthesizing findings into recommendations for academic leadership.

Philadelphia, PA

September 2025-May 2026

Johnson and Johnson Innovative Medicine

Commercial Finance Analyst Intern

- Analyzed demand and forecasting data using Excel, SAP, and financial reporting tools, improving estimated demand by \$16MM across multiple pharmaceutical franchises.
- Supported the transition from a legacy journal entry platform (SAP Lynx) to SAP Analysis for Office, streamlining financial reporting and supporting the financial close process.

Horsham, PA

June 2024-August 2024

Saint Joseph's University United Nations SDG Dashboard Team

Data Analyst

- Developed cloud-enabled data pipelines using Google APIs to automate data ingestion and update centralized Google Sheets used for analytics and reporting, reducing manual extraction time by 95%.
- Integrated and analyzed research metadata from OpenAlex, Elsevier, and Dimensions to classify university research outputs against UN Sustainable Development Goals (SDGs), supporting institutional sustainability reporting and benchmarking.

Philadelphia, PA

May 2022-September 2025

OTHER EXPERIENCE

Life Time Fitness

Operations Team Member

- Delivered customer service and operational support in a high-volume fitness facility serving 10,000+ members while coordinating safety, compliance, and daily operations.

Ardmore, PA

July 2025-May 2026

Outlier AI

Independent Contractor

- Trained artificial intelligence models to solve complex problems in the field of physics, specializing in fluids, thermal physics, and electricity and magnetism.
- Assessed the output of AI models to ensure accuracy and consistency, contributing to the refinement of model performance in evaluating physical phenomena.

San Francisco, CA

February 2024-June 2024

Elemental Cognition

New York, NY

Intern

December 2023-February 2024

- Tested and evaluated the performance of a reasoning model, focusing on logic-based problem solving.
- Conducted thorough testing to identify areas for improvement and ensure the model's reliability in real-world applications.

SKILLS

- **Analytics & Visualization**
 - Tableau, Alteryx, Power BI, Microsoft Excel
- **Programming & Data Science**
 - SQL, Python (scikit-learn, TensorFlow, Keras, Pandas, NumPy), Web Scraping (Selenium, Requests)
- **Logic & Declarative Programming**
 - Prolog, Answer Set Programming (ASP)

PROJECTS

Microrheology of Colloidal Gel Suspensions

January 2025-May 2025

- Migrated legacy scientific analysis code to MATLAB to support research on viscoelastic behavior in gel-phase colloids.
- Applied particle tracking and statistical analysis techniques to investigate stress propagation in non-Newtonian fluids.
- Validated computational outputs and supported experimental data analysis for physics research.

Algorithmic Trading with Declarative Programming Methods

January 2024-May 2024

- Developed an automated trading system using Python and Answer Set Programming (ASP) to evaluate rule-based investment strategies.
- Applied quantitative analysis and declarative reasoning techniques to model market decision-making and portfolio actions.
- Presented findings at Saint Joseph's University Annual Research Day (2024).

Supply Chain Contract Simulation & Optimization

January 2023-May 2024

- Developed multi-agent models to simulate supply chain contract execution and analyze decision-making under varying business conditions.
- Utilized Answer Set Programming (ASP) to model contractual relationships, constraints, and agent interactions.
- Contributed to peer-reviewed research published in PADL 2023, LPNMR 2024, and ICLP 2024 proceedings.

PUBLICATIONS

David Steingard, Simon Linacre, David Reibstein, Dylan Flynn, Caden Springer. Revolutionizing Societal Impact in Business School Research: Can the FT50 Lead the Change? Presented at *Academy of Management (AOM 2025)*.

Long Tran, Tran Cao Son, Dylan Flynn, Marcello Balduccini. A Simulation for Supply Chains Contract Execution. In *The 17th International Conference on Logic Programming and Non-Monotonic Reasoning (LPNMR 2024)*, volume 15245 of *Lecture Notes in Artificial Intelligence (LNCS)*, 2024.

Marcello Balduccini, Dylan Flynn, Tran Cao Son, and Long Tran. Simulating Supply-Chain Contract Execution: A Multi-Agent Approach (Extended Abstract). In *Procs of the 40th International Conference on Logic Programming (ICLP24)*, 2024.

Dylan Flynn, Chasity Nadeau, Jeannine Shantz, Marcello Balduccini, Son Cao Tran, Edward R. Griffin. Formalizing and Reasoning about Supply Chain Contracts between Agents. In *The 25th International Symposium on Practical Aspects of Declarative Languages (PADL 2023)*, volume 13880 of *Lecture Notes in Artificial Intelligence (LNCS)*, 2023.

CERTIFICATIONS

Certified Personal Trainer (NCCA Accredited)

December 2025-December 2027

National Academy of Sports Medicine

Adult and Pediatric First Aid/CPR/AED

August 2025-August 2027

American Red Cross

Alteryx Foundational Micro-Credential

December 2024-December 2026

Alteryx