Matt Draugelis

937-654-9774 | mattdraugelis23@gmail.com | linkedin.com/in/matt-draugelis | Philadelphia, PA

EDUCATION

Drexel University — March 2026
Master of Science in Economics & Computer Science, Minor in Urban Health — *Philadelphia, PA*

Wright State University — Dec 2022
Bachelor of Science in Data Science, Minor in Finance — *Dayton, OH*

PROFESSIONAL EXPERIENCE

Drexel University — Sept 2025 – Current
Teaching Assistant — *Philadelphia, PA*

- Instructed 50+ undergraduate students through complex economic and quantitative coursework in the classroom and during office hours, providing personalized support for diverse learning styles.
- Reviewed and evaluated microeconomic problem sets and econometric assignments, including student code, regression outputs, and quantitative analyses; delivered detailed feedback within 48 hours to reinforce learning and accuracy.
- Collaborated with professors to maintain consistent grading standards and contributed feedback on course structure and content improvements.

Orion — Mar 2023 – Jun 2025
Financial Data Analyst — *Remote*

- Designed and optimized SQL queries to extract, validate, and aggregate large, multi-source financial datasets, reducing reporting errors by 15%.
- Analyzed datasets to identify discrepancies, propose solutions, and ensure regulatory compliance.
- Produced dashboards and reports in Tableau and Excel to monitor financial and operational metrics for clients and internal stakeholders.
- Partnered with clients and internal teams to translate business questions into actionable quantitative analysis.
- Improved data pipeline efficiency, enhancing reporting accuracy and timeliness across multiple projects.

Orion — May 2022 – Mar 2023
Financial Data Analyst Intern — *Remote*

- Conducted data reconciliation and error detection for high-volume financial transactions to maintain data integrity.
- Automated recurring reporting tasks, reducing manual effort and turnaround time by 30%.
- Provided technical support to senior analysts, including debugging and testing data processing scripts.
- Assisted in preparing client-facing reports and presentations, ensuring accuracy and clarity.

PROJECTS

Does Competition Improve Airline Service Quality? — Drexel University, 2025

- Collected and cleaned airline industry data to analyze the effect of Ultra Low Cost Carrier competition on service quality.
- Prepared datasets in Stata for econometric modeling and estimated regression models to test service metrics.
- Synthesized findings and policy implications into a written report with team members.

Energy Grid Forecasting with Machine Learning — Drexel University, 2025

- Developed machine learning models (ARIMA, FFNN, RNN, ensemble) to predict energy usage; FFNN model outperformed the company's internal predictions by 22%.
- Collected, cleaned, and processed large multi-source datasets for model training and validation.
- Independently designed and optimized FFNN architecture, improving predictive accuracy and robustness.

TECHNICAL SKILLS

- **Languages:** C, C++, Java, Python, R, SQL, JavaScript, HTML/CSS, Matlab, Stata, SAS, LaTeX
- **Tools & Libraries:** pandas, NumPy, Matplotlib, Tableau, Excel (Advanced), Git, Jupyter Notebooks
- **Data Analysis:** Data Cleaning, EDA, Regression Analysis, Time Series Analysis, Forecasting, Hypothesis Testing
- **Databases & Pipelines:** Relational Databases, SQL Optimization, Data Validation, ETL Pipelines
- **Statistical & Econometric Methods:** Econometrics, Panel Data Methods, Causal Inference, Machine Learning