

ETIENNE BUSNEL

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EDUCATION

Fordham University, Bronx, NY

Aug 2021 — May 2025

BA, **Mathematics and Economics**; Minor: **Computer Science**

GPA: 3.86 | **Honors**: Honors Program, National Merit Scholar, National Recognition Full Scholarship

Extracurriculars: Chess Club (**President**), Sports Analytics (**Vice President**), Math Club, AI Club

TECHNICAL SKILLS

- **Software**: Excel (Macros, Pivot Tables, Vlookup, Index Match), Power BI, Tableau, AI Prompting
- **Languages**: Python (Pandas, NumPy, Matplotlib, SciPy, Seaborn, Plotly, Polars), SQL, C++, VBA, MATLAB

PROFESSIONAL EXPERIENCE

Jones Lang Lasalle, *Business Systems Analyst Intern*, Queens, NY

Jun 2024 — May 2025

- Reduced report generation time by 93% by automating KPI and client reports using Excel macros and Tableau dashboards.
- Managed 10+ vendor relationships while validating LaGuardia Airport system data and identifying discrepancies.
- Automated project intake process, reducing time by 85%, with a new form adopted across multiple client sites.
- Performed time series analyses and presented peak airport traffic insights to executives with maintenance scheduling insights.
- Created pivot tables to track HVAC, electrical, and mechanical alarms, improving system monitoring.

Vistage Worldwide, *Database Marketing Intern*, New York, NY

Mar 2023 — Aug 2023

- Cut invalid email rates by 85% through AI-based validation enhancements.
- Generated 60+ daily leads through LinkedIn, CRE platforms, and additional market research.
- Documented 100+ CEO meetings and executive consulting sessions.

Age Brilliantly, *Database Marketing Intern*, New York, NY

Feb 2023 — Aug 2023

- Queried and expanded the company's FileMaker database of 350,000 entries.
- Emailed 200+ potential partners, profiling key points of contact to support partnership outreach.
- Created a flexible business development PowerPoint presented at a CEO conference.

PROJECTS

Energy Benchmarking Senior Thesis

Sep 2024—Apr 2025

- Collected, processed, and merged NYC public datasets on building energy usage and tax valuations.
- Tuned Random Forest model and ran time series analyses on large-building energy consumption from 2014 to 2023.
- Created a Tableau dashboard displaying energy efficiency trends, uncovering a 15% average improvement.

Cincinnati Reds 2025 Student Hackathon

Jan 2025—Feb 2025

- Led team of 5 Sports Analytics club members to predict MLB playing time based on the last three seasons.
- Developed predictive model from 3 seasons of data through feature engineering, selection, and model tuning.
- Third-most accurate model prediction submitted by college teams.

BCG Data Science Forage Experience

Jun 2024

- Completed a customer churn analysis simulation with trend interpretations using Python for data analysis and visualization.
- Engineered and optimized a random forest model, achieving an 85% accuracy rate in predicting customer churn.
- Created PowerPoint with data visualizations highlighting high churn risk groups.

LEADERSHIP EXPERIENCE

Fordham Sports Analytics Society, *Vice President & Head of Research*, New York, NY

Sep 2021 — May 2025

- Published semesterly research articles and created weekly data visualizations for Fordham Baseball's analytics team
- Led case competition teams and built a GitHub repo of helper functions to streamline sports data scraping and modeling.

Chess.com, *Brand Ambassador*, New York, NY

Jun 2024 — May 2025

- Hosted events with 10+ college teams to boost platform visibility and engagement at Fordham.
- Planned campus tournaments and executed brand outreach initiatives in partnership with Chess.com.

P.S. 163 Arthur Schoenberg, *Tutor*, New York, NY

Mar 2024 — May 2025

- Led 5+ weekly tutoring lessons for NYC children, including weekend events.

Fordham Intramurals, *Captain*, Bronx, NY

Jan 2022 — May 2025

- Captained Flag Football, Soccer, Volleyball, and Kickball teams, ensuring teams had enough players for every game.