Peter Majors

973-615-7901 | peterlmajors@gmail.com
https://peterlmajors.github.io/peterlmajors/

EDUCATION

Fordham University, Gabelli School of Business **Bronx, New York**
Bachelor of Science Accounting Information Systems, Minor in Computer Science *Sep. 2019 – May 2023*
GPA: 3.8/4.0
Academic Awards: Summa Cum Laude, Gabelli School of Business Dean's List
Study Abroad: Fordham University - London Centre (Spring 2022)

RELEVANT EXPERIENCE

Marsh & McLennan Companies, Inc. **New York, New York**
Senior Application Development Analyst - Autonomous Finance *Jul. 2023 – Present*
- Led backend development of financial insights application for a $20B P&L, combining NLG variance analysis, a colleague commentary suite, and automated PowerPoint deck generation to expedite and standardize reporting
- Built a FastAPI and PostgreSQL backend delivering hourly updates to 4,000+ financial reports, with Okta-based role access control and real-time collaboration for 300+ global controllers via Redis and WebSockets
- Developing multi-agent FP&A researcher using LangGraph and MCP to retrieve enterprise performance management, customer, and transactional data; creating custom evaluations to measure impact of prompt and context engineering
- Designed a RAG-based metadata management system to institutionalize insights across datasets, using NetworkX to map and traverse hierarchical income statement structures effectively with few-shot tool calling

Finance Innovation & Technology Intern *Jun. 2022 – Aug. 2022*
- Automated the amortization of broker service costs by building a full-stack application using Flask and JavaScript

Proskauer Rose, LLP **New York, New York**
Accounting Intern *Jun. 2021 – Jul. 2021*
- Automated allocation workflows with Excel Macros; prepared journal entries and reconciliations for month-end close

LEADERSHIP AND EXTRACURRICULARS

Fordham Sports Analytics Society - *Fordham's Best New Student Organization (2021)* **Bronx, New York**
Founder, President *Oct. 2020 – May 2023*
- Founded Fordham's first sports analytics club and led weekly programming for a 350+ member community featuring coding workshops, member-led research presentations, and 20 guest lectures with sports data professionals
- Established partnership with Fordham Athletics to launch university's first student-run baseball scouting department and conduct research on behalf the football, women's basketball, and women's soccer programs
- Led club blog editorial efforts, authoring 6 research articles while assisting peers on 29 additional publications

Cystic Fibrosis Foundation - Tomorrow's Leaders **New York, New York**
Committee Member *Oct. 2023 – Present*
- Raised $5,000 for Cystic Fibrosis research by completing the NYC Half-Marathon with the foundation's Breathe Team
- Supporting fundraising and outreach efforts at monthly events and campaigns including Great Strides and the CF Cup

CASE COMPETITIONS AND RESEARCH

National Football League - Big Data Bowl **Bronx, New York**
Team Lead *Nov. 2022 – Jan. 2023*
- Leveraged Next Gen Stats player tracking data to detect and evaluate pass-blocking engagements from the 2021 NFL season
- Modeled how seven spatial-temporal features affect QB–rusher separation at pass release, achieved R^2 of 0.66 for tackles and 0.54 for interior linemen predicting separation when trained and tested on consecutive four week samples

Fordham March Data Crunch Madness **Bronx, New York**
Team Lead - Placed 3rd of 22 *Jan. 2022 – Mar. 2022*
- Developed and presented XGBoost model to predict win probabilities for all 2022 March Madness matchups
- Built features from team and positional metric differentials; introduced adjusted seed gap using KenPom's AdjEM

Syracuse Football Analytics Blitz **Bronx, New York**
Team Member - Placed Top 4 of 17 *Feb. 2022*
- Devised and presented defensive schemes to counter Kansas City Chiefs' offense by analyzing Pro Football Focus (PFF) and nflfastR play-by-play data with Pandas; identified formation and situational tendencies to guide coverage and personnel
- Built logistic regression models with scikit-learn to predict pass vs. run, play-action, and motion to support play design decisions

TECHNICAL SKILLS AND INTERESTS

Programming Languages: Python, Javascript, SQL, R, C/C++, HTML/CSS
Cloud & Platforms: Amazon Web Services (AWS), PostgreSQL, MongoDB, Redis
Tools & DevOps: Git, GitHub Actions, Docker, Kubernetes, Datadog, Azure DevOps, Cursor
Personal Interests: Music (Acoustic Guitar, Country), Sports (Varsity Baseball – Seton Hall Prep, Golf)