Peter Majors

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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*
- Engineered financial reporting platform for a $20B P&L, integrating natural language variance analysis, a colleague commentary suite, and automated PowerPoint deck generation with SharePoint integration to expedite and standardize the month-end close
- Built ETL pipeline (Celery, FastAPI, Pandas, PostgreSQL) delivering hourly updates to 4,000+ reports from Oracle Essbase
- Implemented Redis pub/sub with WebSockets to enable real-time messaging, report construction, and data refreshes
- Integrated Okta for authentication and implemented hierarchical, region-based authorization for 300+ global controllers
- Maintained application in production, ensuring data integrity and proactively monitoring during close cycles via Datadog
- Designed custom LLM-as-a-Judge evaluation suite for a LangGraph multi-agent FP&A research assistant

Finance Innovation & Technology Intern *Jun. 2022 – Aug. 2022*
- Built proof-of-concept app using Flask and JavaScript to automate amortization of broker services, ensuring GAAP compliance

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, leading an 8-person executive board to host weekly programming averaging 20+ attendees, featuring member research presentations, technical workshops, and 21 guest lectures from sports data professionals
- Established partnership with Fordham Athletics to launch university's first student-run baseball scouting department and conduct research on behalf of the football, women's basketball, and women's soccer programs
- Oversaw research blog initiatives, publishing 6 articles and mentoring peers through 29 additional publications

Cystic Fibrosis Foundation - Greater New York Chapter Tomorrow's Leaders **New York, New York**
Professional Development Council Member *Oct. 2025 – 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 possible 2022 March Madness matchups
- Introduced an adjusted seed gap using KenPom's AdjEM; engineered features from team and position-level metric differentials

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 and nflfastR play-by-play data with Pandas; identified formation and situational tendencies to guide coverage and personnel decisions
- 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, SQL, R, C/C++, JavaScript, PHP, HTML/CSS
Frameworks & Libraries: FastAPI, Flask, Pandas, Polars, NumPy, Scikit-learn, LangGraph, llama.cpp, vLLM
Cloud & Platforms: Amazon Web Services (AWS), PostgreSQL, MySQL, MongoDB, Redis, Databricks
Tools & DevOps: Git, GitHub Actions, Docker, Kubernetes, Datadog, Komodor, Azure DevOps
Personal Interests: Acoustic Guitar, Baseball, Golf