Peter Majors

New York, NY | 973-615-7901 | peterlmajors@gmail.com
https://peterlmajors.github.io/portfolio/

RELEVANT EXPERIENCE

Marsh & McLennan Companies, Inc.   **New York, New York**
Senior Application Development Analyst - Autonomous Finance   *Jul. 2023 – Present*
- Engineered financial reporting platform for $20B P&L serving 300+ global colleagues which automates the generation of 500+ executive decks during month-end close, shifting controllership's focus from variance identification to strategic commentary
- Architected async Celery-based ETL pipeline generating 4,000+ Oracle Essbase reports with NLG commentary each hour
- Enabled real-time commentary collaboration and synchronized financial data views using Redis pub/sub and WebSockets
- Designed LangGraph agent to query EPM income statement figures and traverse P&L hierarchies via NetworkX graphs
- Developed agent evaluation pipeline to quantify impact of context engineering, improving accuracy by 30% over baseline

Finance Innovation & Technology Intern   *Jun. 2022 – Aug. 2022*
- Built proof-of-concept application to automate amortization of broker services, ensuring ASC606 GAAP compliance

Proskauer Rose, LLP   **New York, New York**
Accounting Intern   *Jun. 2021 – Jul. 2021*
- Prepared journal entries and bank reconciliation, supporting month-end close; automated processes with Excel Macros

LEADERSHIP & IMPACT

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, growing active membership to 30+ students through weekly programming including machine learning workshops, member research presentations, and 21 guest lectures from sports data professionals
- Launched and edited research blog publishing 35 data-driven sports articles, showcasing member technical expertise
- Partnered with Fordham Athletics to establish 20-student baseball scouting department and leverage analytics platforms to provide opponent analysis for football, women's basketball, and women's soccer

Cystic Fibrosis Foundation - Tomorrow's Leaders   **New York, New York**
Volunteer & Professional Development Council Member-Elect (Jan. 2026)   *Oct. 2023 – Present*
- Raised $5,000 for Cystic Fibrosis research by completing the 2024 NYC Half-Marathon with the foundation's Breathe Team
- Expanding mission awareness and donor base by recruiting colleagues and peers to bi-monthly networking events

CASE COMPETITIONS

March Data Crunch Madness - Fordham GSAS   **Bronx, New York**
Team Lead - Placed 3rd of 22   *Jan. 2022 – Mar. 2022*
- Led development of an XGBoost classification model to predict 2022 NCAA Men's March Madness matchup outcomes
- Introduced an "Adjusted Seed Gap" feature using KenPom's AdjEM to quantify team over/under-seeding; improved prediction performance in tightly contested games and demonstrated model interpretability to faculty judges

Syracuse Football Analytics Blitz   **Bronx, New York**
Team Member - Placed Top 4 of 17   *Feb. 2022*
- Analyzed PFF and nflfastR play-by-play data with Pandas to identify offensive tendencies for the 2022 Kansas City Chiefs
- Developed Scikit-learn logistic regression models to forecast play calls (pass vs. run, play-action, and motion) across five distinct game states to guide coverage and personnel decisions

EDUCATION

Fordham University, Gabelli School of Business   **Bronx, New York**
Bachelor of Science in Accounting Information Systems, Minor in Computer Science | GPA: 3.8/4.0   *Sep. 2019 – May 2023*
Academic Awards: Summa Cum Laude, Gabelli School of Business Dean's List
Coursework: Advanced Python for Business, Internet & Web Programming, Database Systems, Cyber Secure Networks

TECHNICAL SKILLS

Languages: Python, SQL, R, JavaScript/Typescript, HTML/CSS, C/C++, PHP
Frameworks & Libraries: FastAPI, Flask, Pandas, NumPy, Scikit-learn, LangGraph, llama.cpp
Cloud & Databases: Amazon Web Services (AWS), Databricks, PostgreSQL, MySQL, MongoDB, Redis
DevOps & Tools: Git, GitHub Actions, Docker, Kubernetes, Datadog, Snyk, Komodor, Azure DevOps