

Joshua Mayanja

Data Scientist/Software Engineer

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PROFESSIONAL SUMMARY

SKILLS

- Agentic Development (OpenAI Agents, Langchain)
- Machine Learning/AI (scikit-learn, pandas, OpenAI)
- Python
- Streaming/Asynchronous Programming
- AI/ML Evaluation (Weave, MLFlow)
- Bash Scripting
- REST APIs (FastAPI, Flask, Spring Boot)
- Docker & Docker Compose
- Graph Databases (Neo4j, Memgraph)
- SQL (PostgreSQL)
- Java

EXPERIENCE

Full Stack LLM Developer

Accenture

Jun 2025 – Present
Boston, MA

- Staffed on a project for a Fortune 500 telecom company as a Sr. Machine Learning Engineer to build their customer service chatbot, serving tens of thousands of people daily.
- Technologies Used: Python, OpenAI API, Agents SDK, Weave, FastAPI

Applied Analytics Practicum

Georgia Institute of Technology

Jan 2025 – May 2025
Atlanta, GA

- Paired with a startup, PRIA Technologies, to complete an AI/ML research project for them. This project created and then evaluated the performance and reliability of a classifier model based on current news and trend data collected from a variety of sources.
- Technologies Used: Python, Pandas, scikit-learn, Hugging Face, Docker, Flask, Anthropic API.

Solutions Consultant

Nuix

Jun 2023 – May 2025
Boston, MA

- Deployed the Nuix NLP, Graph Analytics, and Neo products in customer environments.
- Supported customers when developing their own custom NLP models.
- Developed and maintained Linux bash scripts to automate configuration processes for the Nuix NLP product, as well as Python scripts to enable custom workflows in the Nuix NLP product.
- Provided demos of the Nuix NLP, Neo, and Graph Analytics products to prospective customers.
- Technologies Used: Python, Docker, Linux, Memgraph, Nuix, Keycloak

NLP Engineer

Nuix

Feb 2022 – May 2023
Boston, MA

- Designed and developed the Nuix Graph Analytics product, which automatically populates and relates extracted entities from Nuix NLP analysis in a graph database.
- Developed and maintained Linux installers for the Nuix Graph Analytics product, as well as Python scripts to enable custom workflows in the Nuix NLP product.
- Created Grafana dashboards to visualize results of Nuix NLP analysis.
- Technologies used: Python, Java, PostgreSQL, Memgraph, Bash, Linux, Grafana, Nuix

Professional Athlete

Pensacola Ice Flyers

Oct 2021 – Nov 2021
Pensacola, FL

- Played goaltender for the professional hockey club in the SPHL.

Student Athlete

Quinnipiac University

Aug 2017 – May 2021
Hamden, CT

- Played goaltender for the NCAA Division I hockey program which, in four years, made 2 NCAA tournament appearances, won 2 regular season championships, and earned consistent top 10 national rankings.
- Served as Team Community Service Coordinator (2018-2021).

EDUCATION

Master of Science (M.S.) in Analytics

Georgia Institute of Technology

May 2025
Atlanta, GA

Relevant Coursework

- Applied Natural Language Processing
- Reinforcement Learning
- Simulation

- Time Series Analysis

Bachelor of Arts (B.A.) in Mathematics
Quinnipiac University

May 2021
Hamden, CT

Awards & Honors

- ECAC All-Academic Team (4x, 2018-2021)
- Quinnipiac Dean's List (3x, 2018, 2020-2021)
- Quinnipiac Men's Hockey Coaches Award (2021)

PROJECTS

- Predicting NCAA Quarterback Success in the National Football League (Georgia Tech, 2024)
- Modeling NFL Spreads and Point Totals (Georgia Tech, 2023)
- Simulating Runway Flow at Logan Airport (Georgia Tech, 2023)
- Predicting Student Essay Scores Using Document Embeddings and Neural Networks (Kaggle, 2023)
- Predicting MLB Market Attendance with US Income and Housing Data (Georgia Tech, 2023)