

Ricardo Manuel Morales Gonzalez

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Education

Johns Hopkins University

B.S. Computer Science, Minor: Entrepreneurship and Management

Baltimore, MD

May 2024

GPA: 3.67 | General and Departmental Honors

Relevant Coursework: Full-Stack JavaScript, Databases, Artificial Intelligence, User Interfaces & Mobile Applications, CS Innovation and Entrepreneurship

Experience

Ringer Sciences

Remote

Data Analyst & Junior Data Scientist

Jul 2024 – Jul 2025

- Developed and improved client-tailored **Chatbot web applications** including data processing pipelines using **Python and LangChain**, improving response accuracy by **15%** for end-users.
- Shipped and iterated on **API endpoints** for an AI-driven image creation system, **enhancing production throughput by 20%** based on user feedback and system metrics.
- Engineered **Apache Airflow automation** systems to orchestrate daily data scraping and processing of **30+ news articles with Playwright** and social media data intake through Meltwater, **reducing processing time by 10%** while improving data integrity—directly improving the reliability of the core data product.
- Built 5+ client forward dashboards with Looker Studio and Tableau**, providing real-time insights and empowering data-driven decision-making, including for a client **managing a 7-figure company portfolio**.

Johns Hopkins University

Baltimore, MD

Teacher Assistant – Software Project Courses

Aug 2023 – May 2024

- Mentored student teams in translating business requirements into technical deliverables, guiding the full software development lifecycle from design and coding to testing and deployment using agile principles.
- Facilitated cross-functional collaboration between professors, students, and stakeholders to ensure project success and alignment with user needs.
- Reviewed code and provided feedback to uphold high code quality, best practices, and thoughtful architectural decisions and alignment with user needs with React, Next.js, PostgreSQL, and Node.js as core technologies.

Ringer Sciences

Remote

Data Analyst Intern

Jun 2023 – Aug 2023

- Worked on client facing project deliverables on social media engagement analytics and strategies to direct posting efforts resulting in 2-3x increased traffic for key voices in the healthcare and food sector.
- Meltwater and Excel used to process thousands of social media engagement data points into powerful and concise strategies for easy access and employment leading to 30% increase in views and sentiment perception.

Projects

Spotify Song Info | <https://song-info-one.vercel.app/>

- Designed and built a front-end application using Vite, React, ShadCN, Tailwind CSS, OpenAI's API, and Spotify's API to gather information about a song and calculate the song genre based off different gathered factors providing functionality not obtained through Spotify's native app

Skills & Interests

Languages: JavaScript/TypeScript (Advanced), Python (Advanced), Java (Advanced), SQL, HTML/CSS, Tailwind CSS

Frontend: React, Next.js, Vite, Chainlit

Backend: Node.js, NestJS, Express, FastAPI, Flask

Databases & Tools: PostgreSQL, SQLite, BigQuery, Git, Docker, Apache Airflow, Looker Studio, Tableau, Playwright

Concepts: Data Structures & Algorithms, Distributed Systems, RESTful APIs, CI/CD, Agile/Scrum, AI/ML Integration (RAG, Prompt Engineering), Web Scraping, ETL, Data Processing