

Education

Johns Hopkins University

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

GPA: 3.67 | General and Departmental Honors

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

Baltimore, MD

May 2024

Experience

Ringer Sciences

Data Analyst & Junior Data Scientist

Remote

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

Teacher Assistant – Software Project Courses

Baltimore, MD

Aug 2023 – May 2024

- Mentored student teams, translating business requirements into technical deliverables and guiding the full software development lifecycle using agile principles.
- Facilitated cross-functional collaboration between professors, students, and stakeholders to ensure project success.
- Reviewed code to uphold 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

Data Analyst Intern

Remote

Jun 2023 – Aug 2023

- Produced client facing deliverables for healthcare and food sector clients based on **social engagement analytics and KPIs** leading to **2-3x increased traffic** for key voices and campaigns.
- Data wrangling through **Brandwatch and Excel** to process **thousands** of social media engagement **data points**.

Projects

Photography Portfolio | <https://photography.ricardomoralesgonzalez.com/>

- Full-Stack photography application allowing high-res photo sharing. Built with Nextjs, NestJS, Supabase PostgreSQL Database, Google Cloud Storage, Azure App Service and guarded with JWT Authentication.

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

- 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, Supabase

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