

## 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

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, 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

Remote

#### Data Analyst Intern

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