

## Education

### Johns Hopkins University

Baltimore, MD

B.S. Computer Science | GPA : 3.67 | General and Departmental Honors

May 2024

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

- Owned the development of data processing pipelines using Python and LangChain, directly improving chatbot 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 an Apache Airflow automation system to orchestrate daily data scraping and processing for 30% articles, reducing processing time by **10%** while improving data integrity—directly improving the reliability of the core data product.
- Built internal tools and dashboards with Looker Studio and Tableau, providing real-time insights to multiple clients and empowering data-driven decision-making.

### 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.

### Ringer Sciences

Remote

#### Data Analyst Intern

Jun 2023 – Aug 2023

- Worked on client facing projects to deliver key social media engagement metrics to direct posting efforts for increased traffic for key voices primarily in the healthcare and food sector.
- Meltwater and Excel proficiently used to process thousands of social media engagement data points into concise storytelling points for easy access and employment of strategies leading to 30% increase in views and improved 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

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