

SEBASTIAN TORRES

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EDUCATION

Bachelors of Science (BS) in Computer Science | GPA: 3.85 **December 2025**
St. John's University | Queens, NY

Masters of Science (MS) in Data Science | GPA: 3.8 **December 2026**
St. John's University | Queens, NY

EXPERIENCE

Computer Science Tutor | St. John's University **Sept 2025 - Present**

- Provide drop-in tutoring support for undergraduate computer science courses, including Computer Programming Fundamentals, Data Structures, Software Design Methods, and Database Management Systems.
- Mentored students on programming projects, algorithm design, and database queries, translating difficult concepts into approachable learning experiences.

Full Stack Developer | MediCaddie @ St. John's University **Sept 2025 - Present**

- Developing an NSF-funded clinician review platform for AI-predicted ICD/CPT codes.
- Developed a **React**-based frontend with authentication to EHR systems; built APIs for data insertion into a **MySQL** database, designed table schemas, and implemented **Python**-based backend API endpoints to support application functionality.

Research Assistant | St. John's University **Jan 2024 - Present**

- Conducting research on NLP and machine learning, developing an intelligent tutoring system powered by LLMs for personalized **Java** programming instruction.
- Developed and implemented frontend infrastructure using **React** (with **Vite**), styled with **Bootstrap**, integrated dynamic API calls to connect with backend services.

Developer & CoFounder | The Not Project **Jan 2025 - Present**

- A NYC-based media platform showcasing local communities through street photography, interviews, and recordings; produced and edited content using Adobe Premiere Pro and Photoshop while managing social media accounts and maintaining consistent posting schedules.
- Built and deployed a full-stack web platform using **Next.js** and **TypeScript** with **Prisma ORM** and **Auth0** authentication; hosted on **Vercel** with **AWS RDS** backend and **Pinata** for media storage. Optimized user experience with **SCSS** and modern UI libraries.
- Implemented dedicated admin routing with functionality to create, edit, and manage posts.

AR Development & Digital Storytelling Externship | Snap. Inc **Mar 2024 - Jun 2024**

- Designed and built an interactive AR experience in Snap's Lens Studio, integrating custom 2D/3D assets (Adobe Illustrator, Blender) with **JavaScript** scripting for gesture-based interactions.
- Incorporated advanced features such as voice activation, face tracking, background music, and voice-over to enhance user engagement.
- Aligned the experience with campaign objectives, delivering a branded Snap Lens launched on Snapchat.
- Achieved 60,295 views, 58,976 plays, and 350 shares, demonstrating strong audience engagement.

PROJECTS

Vehicular Cloud Real-Time System | Java, MySQL

- Developed a multi-threaded desktop application to support real-time vehicular cloud operations, enabling concurrent client-server communication through socket programming. Designed role-based dashboards and live job scheduling features to handle vehicle data, and resource sharing across multiple users.

Hit Song Predictor | Python, Scikit-learn

- Developed a machine learning pipeline to classify hit songs from 2010–2024 by integrating Billboard's data and Spotify audio features. Automated data scraping with **BeautifulSoup4** and for trend analysis. Engineered a hit score algorithm to improve model accuracy.

MetaData Photo Organizer | Python

- Created a desktop application for automated photo organization using EXIF metadata extraction. Built with the Tkinter GUI framework, PIL for image processing, and file system operations. Features include metadata-based file renaming, folder organization, and a user-friendly interface.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, R, SQL, HTML, CSS

Developer Tools: Git, AWS, Docker, Linux, MySQL, Postgres

Frameworks: React, Next.js, Flask, TensorFlow, Scikit-learn, LangChain