

Ryan Montoyo

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EDUCATION

CUNY Hunter College

New York, NY

Bachelor of Arts in Computer Science, 3.45 GPA

Aug. 2022 – May 2025

Relevant Courses: Full Stack Web Development, Database Systems, Data Structures and Algorithms, Software Analysis and Design I, II, and III (C++), Operating Systems, Computer Theory, Computer Architecture I and II

TECHNICAL SKILLS

Languages: Swift/SwiftUI, Kotlin/Jetpack Compose, JavaScript, HTML/CSS/SCSS, Python, C++, SQL, TypeScript

Technologies/Frameworks: Django, Flask, MySQL, ReactJS, Firebase, Bootstrap, Git, Jupyter Notebook

Libraries: pandas, NumPy, Matplotlib, AnimeJS, EmailJS

EXPERIENCE

Technology and Engineering Intern

Jan 2025 - Present

Metropolitan Transportation Authority (MTA)

New York, NY

- Managed IT asset distribution and replacement across the MTA, ensuring seamless operations for a large workforce.
- Tracked and maintained IT assets using ServiceNow, improving inventory accuracy and operational efficiency.
- Enhanced high-level understanding of databases through hands-on experience with asset management systems.

Software Engineering Intern

September 2024 - January 2025

Movement Vault

New York, NY

- Developed the Movement Vault Android app from the ground up using Kotlin and Jetpack Compose, establishing core features like onboarding and assessment flows, and video playback to match the existing iOS experience.
- Developed a dynamic exercise video player, a critical feature that streams over 1,400 workout videos via backend APIs, delivering essential content and ensuring a seamless user experience.
- Collaborated with iOS engineers to synchronize backend API endpoints, ensuring cross-platform consistency, while assisting fellow interns with backend integration and authoring comprehensive documentation.

Software Engineering Mentee

Sep. 2023 – Dec. 2023

Yext

New York, NY

- Collaborated closely with seasoned Software Engineers, gaining professional guidance and technical expertise.
- Participated in weekly workshops, fostering meaningful connections and enhancing technical skills.

PROJECTS

Spoons - AI Journaling Companion App – ReactJS, Django, OpenAI API

Feb 2025 - Present

- Developed an AI-powered journal companion app to help users track mental health progress and receive insightful feedback such as potential resources for help.

Fitting Room App (iOS) – Swift/SwiftUI, Firebase, CoreML

June 2024 – August 2024

- Developed an iOS app that allows users to upload pictures of their clothes to Firebase storage and visualize them on a dummy model using Apple CoreML for image processing.

To-Do List App (iOS) – Swift/SwiftUI, Firebase

June 2024

- Developed a to-do list app with user authentication using Firebase, allowing users to register, log in, and create to-do items with dates and times, storing data securely in Firebase Firestore.

Weather App (iOS) – Swift/SwiftUI, OpenWeather API

June 2024

- Developed an iOS weather application using Swift and SwiftUI, integrating the OpenWeather API to fetch real-time weather data based on user location.

Portfolio Website – ReactJS, JavaScript, SCSS, AnimeJS, EmailJS

May 2024 – June 2024

- Developed an interactive and responsive portfolio with advanced animations (SVG logo drawing, bouncing letters, moving stars, spinning 3D cube) and integrated email functionality for direct communication.

Avengers Careers – Python, Flask, MySQL, HTML/CSS

April 2024

- Built a dynamic job portal displaying openings from a MySQL database, with real-time updates for changes in job data and dynamic routing for applications, storing applicant information seamlessly back into the database.