

# 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 (MySQL), TypeScript

**Technologies/Frameworks:** Flask, 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*

- Supported IT asset management by distributing, maintaining, and troubleshooting devices, ensuring efficient operations and alignment with MTA's technology strategy.

### 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

### 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.

### RoosterTunes - Discord Music Bot – Python, Discord API

April 2024

- Developed a bot to stream YouTube audio in Discord voice channels, implementing commands for play, pause, resume, and stop, using asyncio for seamless asynchronous operations.