

# Ryan Montoyo

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## EDUCATION

### CUNY Hunter College

New York, NY

*Bachelor of Arts in Computer Science, 3.42 GPA*

*Aug. 2022 – May 2025*

**Relevant Courses:** Data Structures and Algorithms; Software Analysis and Design I, II, and III (C++), Discrete Structures, 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

### Software Engineering Intern – Kotlin, Jetpack Compose

September 2024 - Present

*Movement Vault*

*New York, NY*

- Built the Movement Vault Android app from the ground up, implementing key features such as a dynamic exercise video player, seamless onboarding flows, and personalized workout assessments.
- Developed and integrated the exercise video player, dynamically fetching and displaying over 1,400 video resources via API.
- Authored detailed documentation for backend API integrations, facilitating knowledge transfer and accelerating future development.
- Collaborated with iOS engineers to integrate and synchronize backend API endpoints, ensuring cross-platform consistency.
- Supported fellow interns by resolving data-fetching issues, conducting code reviews, and enhancing the quality of their contributions.

### 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.