

# Ryan Montoyo

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## EDUCATION

### CUNY Hunter College

*Bachelor of Arts in Computer Science, 3.42 GPA*

New York, NY

*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, Intro to Computer Science (Python)

## 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

September 2024 - Present

*Movement Vault*

*New York, NY*

- Assisted in the development of the Movement Vault Android app, focusing on front-end design and functionality using Kotlin and Jetpack Compose
- Built responsive, user-centered UI components, ensuring cross-device consistency and accessibility
- Collaborated with team members to define UI standards and improve app design elements for a seamless user experience
- Contributed to debugging and optimizing app performance, maintaining high standards for reliability and speed
- Participated in code reviews and collaborated with backend developers for seamless integration

### 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.
- Implemented functionality to manage their wardrobe and an interactive outfit generator with randomization and locking capabilities.

### 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.