Rhyan Barrows

Bronx, NY | [LinkedIn]( ) | [GitHub]( ) | (718) 708-3546 | rhtbarrows@gmail.com

EDUCATION

CUNY Lehman College | B.S. Degree in Computer Science | GPA: 3.5 | December 2026
CUNY Bronx Community College | A.S. Degree in Computer Science | June 2022
Related Coursework: Data Structures & Algorithms, Python & Java Programming, Linear Algebra, Calculus 1, 2, & 3, Computer Organization, Probability, Cybersecurity
CodePath | Student in Technical Interview Preparation (101 and 102), Android and Web Development
CUNY Tech Prep | Cohort 11 Member in Full-Stack Web Development Path

TECHNICAL SKILLS

Front End | React.js, JavaScript, TypeScript, CSS, Node.js, Angular.js, Vercel
Back End | Java, Spring Boot, Python, Flask, PostgreSQL, Supabase, Render, WebSockets, REST APIs
Testing/Deployment | JUnit, Pytest, Jasmine, Cloudinary, Grafana Cloud
Developer Tools | GitHub Actions, Git, Docker, NPM, Figma

WORK EXPERIENCE

Software Engineer Intern | NJ TRANSIT | Newark, NJ | June 2025 – August 2025
- Developed an **AI** bus tracking **full stack** app proof of concept using **Python**, **React.js, PostgreSQL**, and **OpenCV** to keep track of **2000+** buses in NJ TRANSIT's fleet.
- Reduced the time it takes for bus drivers and garage managers to locate buses from **10+ minutes** to **near instant**, a **greater than 99%** improvement.
- Projected to increase profit estimates by over **$500,000** due to increased profits from increased ridership through improved bus punctuality.

Software Engineer Intern | NYC Office of Tech & Innovation | Brooklyn, NY | June 2022 - Aug 2022
- Maintained over **100+** NYC.gov websites utilizing **HTML, CSS, JavaScript, & WordPress**.
- Implemented surveys for **10** community boards using **JavaScript** for over **1,000,000+** residents.
- Updated **20** community board websites daily with traffic, construction, and event information.

Software Engineer Winter Intern | Barclays | Whippany, NJ | December 2021 - January 2022
- Built a **front end** for Barclays stock traders using **Angular.js, TypeScript**, **CSS, and HTML** to view **100+** daily trade statuses.
- Achieved over **90%** coverage using unit test coverage with **Jasmine** to test UI state changes.
- Reduced **front end** load time by **35%** using efficient AngularJS component rendering and lazy loading of trade data.

Software Engineer Winter Intern | AccuWeather | New York, NY | December 2020 - January 2021
- Designed a **front end** for the AccuWeather Ready website using **Google JamBoard** & **Figma** with a team of **4** interns for **1.5 billion+** global AccuWeather daily visitors.
- Developed the website using **HTML, CSS, & JavaScript** to keep track of extreme weather events in all **50 states** in the United States.

PROJECTS

[BeastMode.ai]( ) | Java Spring Boot, React.js, PostgreSQL, Supabase, JUnit, Docker, GitHub Actions, Vercel, Cloudinary, Hugging Face API, Grafana Cloud

- Engineered a **full-stack** platform enabling users to build workouts and track progress over time. The platform also has a video upload pipeline using **Cloudinary** for media storage and uses the **Hugging Face API** for AI inference to critique lifting form.

[RacerMaps]( ) | Python (FastAPI), React.js, PostgreSQL, Supabase, WebSockets, Pytest, Docker, GitHub Actions, Vercel, Cloudinary, Grafana Cloud

- Architected and deployed a **collaborative** fitness platform where multiple users can draw and share running routes on an interactive map of the United States. **WebSockets** power live updates so users can instantly view their peers' routes and stats (distance, pace, time) as they are logged.

LEADERSHIP, ORGANIZATIONS, & EXTRACURRICULARS

- Student Fellow in **Basta** & **ColorStack** – Assisting students with resume and interview prep
- Upcoming Hackathon: CUNY Tech Prep Hackathon | August 20th – August 22nd