

Fahim Hussain

<https://fahimh.com>

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Education

New York University

Bachelor of Science in Computer Science

New York, NY

Expected Graduation: December 2027

- **Fall 2024 Coursework:** Data Structures & Algorithms, Data Analysis, Intro to Engineering & Design

Bronx High School of Science

- **SAT:** 1540, **GPA:** 4.0 UW

Bronx, NY

Graduation: June 2024

Experience

We Care Act NYC

Head of IT

New York, NY

September 2022 - Present

- Leading a team of 6 to develop organization website using Next.js and improve SEO performance to bring page visits to over 1,000+ per month
- Developing a full-stack application with Next.js, utilizing NextAuth for user authentication, PostgreSQL for data storage, and AWS S3 for document processing, streamlining laptop distribution to 230+ students
- Built a digital storefront with Stripe & Next.js for purchases of refurbished laptops totaling \$1000+ in revenue
- Created web forms to facilitate technology donation requests, securing \$200k worth of donations

AtomHacks Committee

Co-Head

Bronx, NY

November 2020 – June 2024

- Managed a team of 24 to organize annual high-school hackathons with over 150+ participants over 4 years
- Spearheaded the development of creative promotional websites for each year's hackathon with different themes and styles using React and TailwindCSS, driving 200+ registrations in the most recent event
- Handled various administration roles during each event, including managing an itinerary, communicating with judges and mentors, and facilitating the presentation of projects

Steel City Codes

Instructor & Curriculum Manager

New York, NY

September 2022 – June 2024

- Tutored small cohorts of 5 middle school students on fundamentals of programming with Python and Java every semester
- Helped to maintain and update lesson plans for 600+ students nationwide

Projects

[Hackathon Submission Dashboard](#)

September 2022 – March 2024

Full-Stack Application

- Utilized React, Next.js, MySQL, Drizzle ORM, and NextAuth to create a dashboard for processing hackathon submissions, teams, and data from over 150+ users concurrently during AtomHacks 2023 and 2024
- Streamlined the judging process through an intuitive interface that hosted 30+ projects and teams over each event

[JetBrains Kanagawa Theme](#)

Jul 2022 – Present

Active Open-Source Project

- Deployed and maintaining a theme on JetBrains Marketplace with Gradle build tools and JSON to build the UI, achieving 30k+ total downloads
- Enabled 6 external contributions to the theme by integrating CI/CD pipelines with GitHub Actions, automating direct deployment to JetBrains Marketplace

[SideQuest](#)

April 2024 - May 2024

Mobile App

- Prototyped a mobile app platform for college students to hire other students for simple tasks with React Native, PostgreSQL, Express.js, and Clerk Auth
- Won 2nd Place at All Star Code's Technical Entrepreneurship Incubator out of 9 teams

[Bloomie](#)

July 2024 – August 2024

Microelectronics Capstone Project for BeaverWorks Summer Institute at MIT

- Constructed an artificial flower to teach children how to care for a plant through sensor-based feedback loops implemented in Arduino code with an ESP32 microcontroller board
- Demonstrated the project functionality to hundreds of webinar viewers on the Lincoln Laboratory website

Skills/Interests

Languages: Python, Java, JavaScript/Typescript, SQL, Go, C++

Tools: Git, GitHub, AWS, React, Next.js, Express.js, Clerk, Stripe, Gradle, Pandas, NumPy, Fusion 360, SPSS

Interests: Streetwear Market, Swimming, World Cuisines, Maker Movement