

SAMIHA ZAMAN

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EDUCATION

CUNY Queens College

Flushing, NY

Bachelor of Science in Computer Science, Minor in Interaction Design

Expected June 2026

- **Relevant Coursework:** Object Oriented Programming in Java, OOP and Algorithmic Problem Solving in C++, Computer Organization & Assembly Language, Computer Architecture, Data Structures, Linear Algebra, Statistics, Software Engineering, Database Systems, Advanced Python Programming, Design & Analysis of Algorithms

SKILLS / CERTIFICATIONS

- **Programming/Web Development Languages:** HTML, CSS, JavaScript, C++, Java, Python, SQL
- **Frameworks/Libraries:** Bootstrap5, jQuery, React JS, Node.js
- **Software:** Microsoft Office Suite, VS Code, Figma, Photoshop, Adobe Creative Suite, Git, Docker

PROFESSIONAL / RELEVANT EXPERIENCE

Full Stack Software Engineering Fellow

New York, NY

CUNY Tech Prep

July 2024 – Present

- Selected for a year-long technical and professional development program, focusing on full stack web development, learning industry best practices and skills in client-side/server-side rendering, API development, relational databases, MVC architecture, agile methodologies, test driven development, behavior driven development, continuous integration (CI/CD), security practices from design to application deployment across the software development life cycle
- Gaining hands-on experience with a comprehensive tech stack, including React.js, Bootstrap for frontend development and Node.js, Express.js, Sequelize.js, PostgreSQL, MongoDB and Jest for backend development

Front-End Web Developer Intern

New York, NY

Art Beyond Sight

July 2023 - Aug 2023

- Developed a responsive, functional Drupal website prioritizing accessibility features for an inclusive user experience and achieved an increased improvement by 90% in overall site performance and aesthetics
- Implemented the frontend features of the site, leveraging the Bootstrap5 framework to craft a custom theme that aligned with modern and responsive design standards which elevated the site's overall visual aesthetics
- Utilized Git, Docker, and Visual Studio Code in the migration and redesign of a Drupal 8 site to Drupal 10, ensuring optimal performance and compatibility while collaborating with a cross-functional team to achieve project goals, manage different components and come up with effective solutions to make sure things run smoothly

PROJECTS

QC Computer Science Academic AI Advisor | Hackathon Project | [Github](#)

- Worked in a dynamic group of 3 people to develop Queens College Computer Science Academic AI Advisor at HackCUNY using front end technologies such as HTML, Tailwind CSS, JavaScript and backend technology such as Flask as well as OpenAI's GPT technology to offer tailored academic advice for QC computer science students and optimize their path to graduation
- Designed an intuitive, user-friendly interface (UX/UI) with Figma, enhancing functionality and visual appeal
- Collaboratively contributed to a first-place-winning project recognized for its impact on social change, originality, scalability, overall design, methodology, and effective utilization of tools

CUNY Connect Essentials | Hackathon Project | [Github](#)

- Collaborated in a team of 3 to develop a web application using React, Node.js, and Tailwind CSS to inform CUNY students about essential resources, such as food, housing, mental health services, available at their campus
- Translated wireframes and mockups into engaging and user-friendly web experiences, ensuring the final design met the needs of the target audience
- Created an interactive survey feature that customizes resources for students based on their specific college, enhancing accessibility to vital support services

Character Quiz | HTML, CSS, JavaScript | [Github](#)

- Developed an engaging and interactive quiz providing users with a specific character based on their input
- Integrated a counter to track the number of times the quiz has been taken, demonstrating user engagement
- Utilized jQuery for smooth navigation and dynamic content updates based on user input