

# Carlo Ace Sagad

[carloace166@gmail.com](mailto:carloace166@gmail.com) • +1 (929) 395-5117 • [LinkedIn](#) • [GitHub](#) • Rego Park, NY

## EDUCATION

### CUNY - Queens College

Bachelor of Arts in Computer Science

Flushing, NY

Expected December 2024

**Relevant Coursework:** Data Structures & Algorithms, Object Oriented Programming in C++ and Java, Computer Organization and Assembly Language, Discrete Mathematics, Discrete Structures, Calculus, Computer Architecture, Operating Systems Principles, Design & Analysis of Algorithms, Database Systems, Web and Internet Technologies, Software Engineering, Distributed Systems

### CUNY – LaGuardia Community College

Associate Degree in Computer Science

Long Island City, NY

Graduated Spring 2021

## SKILLS

**Languages:** Java, C++, HTML, CSS, JavaScript, Flexbox, Grid, Node.js, Assembly Language, Unix/Linux Environment, MS SQL, JSP, MySQL, Express, EJS, PostgreSQL

**Tools and Frameworks:** VS Code, Microsoft Visual Studio, IntelliJ, Eclipse, GitHub, SQL Server Management Studio, Azure Data Studio, Tomcat, Bootstrap, Tailwind CSS, jQuery, React, Front-end, Back-end, ES6

## PROJECTS

### CUNY Student Needs Survey – CTP Hackathon 2024 Winner (SWE Best Practices Award) | [Link](#)

- Teamed up with 4 members to develop a winning project for the CTP Hackathon 2024, inspired by the CUNY Cares report, addressing critical student needs such as food insecurity and housing instability.
- Created a survey platform using React, HTML, CSS, and Bootstrap for the front-end, and MySQL for the back-end, to collect and analyze data on these unmet needs across CUNY campuses.
- Enabled students to participate in surveys and access resources, helping identify critical gaps and inform targeted support efforts.
- Contributed to winning the SWE Best Practices Award by implementing industry-standard coding practices, efficient project management, and ensuring adherence to best practices in code quality, testing, and deployment.

### Personal Portfolio Website Project | [Link](#)

- Created a personal portfolio website using Vite and React, showcasing my skills, projects, and professional experience.
- Features include a dynamic hero section, interactive project showcase, detailed resume page, and an engaging contact section.
- Designed with a focus on responsiveness and user experience, ensuring optimal performance across various devices.
- Employed modern web development practices, utilizing Tailwind CSS for styling and implementing smooth animations for enhanced interactivity.
- Exhibited proficiency in front-end development, emphasizing clean code, accessibility, and visual appeal.

### Book Notes Tracker | [Link](#)

- Developed a full-stack web application for tracking books using Express.js, PostgreSQL, and Node.js, enabling users to add, edit, and delete book records with details like titles, authors, ratings, and notes.
- Implemented secure and efficient database interactions with PostgreSQL and pg library, ensuring data integrity and scalability.
- Designed a dynamic and responsive user interface using EJS templates, JavaScript, and CSS, delivering an interactive and visually appealing experience.
- Deployed the application on Render, showcasing expertise in server setup, environment configuration, and securely managing sensitive data with dotenv.

### Blog Management System | [Link](#)

- Built a dynamic blogging application using Node.js, Express, and EJS, enabling users to create, edit, view, and delete blog posts seamlessly.
- Designed and implemented RESTful APIs with Axios for efficient back-end data management and smooth front-end integration.
- Enhanced user experience by integrating features like form-based data submission, real-time updates, and an interactive interface.
- Demonstrated expertise in full-stack development, clean code practices, and responsive UI design.

## LEADERSHIP & PROFESSIONAL DEVELOPMENT

### CUNY Tech Prep

Web Development Fellow

New York, NY

August 2024 - Present

- Selected as a fellow in a competitive program designed to advance web development and software engineering skills.
- Participated in advanced workshops and coding sessions, collaborating with peers to build robust web applications.
- Engaged in mentorship opportunities, refining both technical and professional skills to prepare for a career in software development.

## PROFESSIONAL EXPERIENCE

### Sparc.world

Product/Website Tester Intern

Remote

February 2024 – May 2024

- Collaborated with a team of 4 developers via Slack and Trello to conduct comprehensive testing of website features, ensuring alignment with business and user requirements.
- Contributed to continuous product quality improvement by preparing detailed reports for each feature tested and prioritizing bug resolution based on criticality. Identified, analyzed, and resolved website functionality issues.

### Starbucks Coffee Company

Barista/Shift Supervisor

New York, NY

Sept 2019 – June 2020

- Supervised and led a team of 4-8 employees in a fast-paced environment, completing 150-400 customer orders daily
- Implemented effective sales techniques, including suggestive selling and cross-selling, leading to a 30% weekly revenue boost
- Earned Partner of the Quarter Award for outstanding performance and contribution to the team
- Trained and mentored new hires on company policies, procedures, amplifying and performance and effectiveness of my team

## CERTIFICATES/AWARDS

- [Java Data Structures & Algorithms Udemy Course Certificate of Completion](#)