

# Carlo Ace Sagad

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## EDUCATION

### CUNY - Queens College

Bachelor of Arts in Computer Science

Flushing, NY

Graduated Dec 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, Wireless Networks and Signals

### CUNY – LaGuardia Community College

Associate Degree in Computer Science

Long Island City, NY

Graduated May 2021

## SKILLS

**Languages:** Java, Python, 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

### EventSphere – Event Management Platform | [Link](#)

Sept 2024 - Dec 2024

- Led a team of four to develop EventSphere, a platform that helps users discover, share, and host local events, solving the challenge of fragmented event information.
- Built the front-end with React, JavaScript, and Tailwind CSS, while developing the back-end using PostgreSQL, Express.js, and Node.js for seamless event management..
- Integrated PredictHQ and Google APIs to enhance event recommendations and location-based search, improving user engagement.
- Designed and implemented features for event organizers to create, manage, and promote their events, making it easier to reach the right audience and increase event visibility.

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

Aug 2024

- 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](#)

Oct 2024

- Developed a responsive and high-performance portfolio website using Vite, React, and Tailwind CSS, showcasing my projects, skills, and professional background.
- Implemented an interactive hero section, animated project showcase, and a structured resume page, leveraging Framer Motion for smooth animations and dynamic UI effects.
- Optimized for accessibility and cross-device compatibility, ensuring a seamless user experience with flexible layouts and responsive design principles.
- Followed modern front-end development best practices, emphasizing clean component-based architecture, reusable UI elements, and efficient state management.

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

Nov 2024

- Built a full-stack book tracker with Express.js, PostgreSQL, Node.js, and EJS, enabling secure CRUD operations using the pg library.
- Created a responsive UI with JavaScript and CSS, deployed on Render, and managed server setup and sensitive data securely with dotenv.

## LEADERSHIP & PROFESSIONAL DEVELOPMENT

### CUNY Tech Prep

Web Development Fellow

New York, NY

Aug 2024 - Dec 2024

- 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.

### Project Leader – EventSphere

Project Leader

New York, NY

Aug 2024 - Dec 2024

- Led a 4-member team in developing *EventSphere*, a platform for discovering and managing local events.
- Defined the project vision and coordinated tasks, ensuring the team met deadlines.
- Made key technical decisions, driving the implementation of personalized event recommendations and event creation features.

### CodePath Tech Fellow

Technical Interview Prep Fellow

New York, NY

Feb 2025 - Present

## PROFESSIONAL EXPERIENCE

### Sparc.world

Product/Website Tester Intern

Remote

Feb 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 issue

## CERTIFICATES/AWARDS

- Java Data Structures & Algorithms Udemey Course Certificate of Completion | [Link](#)
- The Complete Full-Stack Web Development Bootcamp | [Link](#)