

# Carlo Ace Sagad

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## EDUCATION

### CUNY - Queens College

*Undergraduate Bachelors in Computer Science*

**Flushing, NY**

Graduation: December 2024

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

### CUNY – LaGuardia Community College

*Associate Degree in Computer Science*

**Long Island City, NY**

Graduated Spring 2021

**Relevant Coursework:** Introduction to Discrete Math, Introduction to Computer Science, Advanced C/C++ Programming, Data Structures & Algorithms, Linear Algebra, Object Oriented Programming in C++ and Java, Computer Organization and Assembly Language, Discrete Structures, Calculus I/II

## SKILLS

**Languages:** Java, C++, HTML, CSS, JavaScript, Flexbox, Grid, Bootstrap, Node.js, Assembly Language, Unix/Linux Environment, MS SQL, JSP  
**Tools and Frameworks:** VS Code, Microsoft Visual Studio, IntelliJ, Eclipse, GitHub, SQL Server Management Studio, Azure Data Studio, Tomcat

## PROFESSIONAL EXPERIENCE

### Sparc.world

**Remote**

*Product/Website Tester Intern*

February 2024 – May 2024

- Lead comprehensive testing of website features, ensuring alignment with business and user requirements
- Utilize Trello for effective task management, prioritizing activities based on the criticality of bug findings
- Document bugs meticulously, enhancing communication and resolution processes with the development team
- Prepare detailed reports for each feature tested, contributing to the continuous improvement of product quality
- Employ a detail-oriented and technical approach to identify, analyze, and resolve website functionality issues
- Collaborate closely with developers, playing a key role in the successful optimization of the website's performance and user experience

### Starbucks Coffee Company

**Manhattan, NY**

*Barista/Shift Supervisor*

September 2019 – June 2020

- Supervise and lead a team of 4-8 employees in a fast-paced environment of complete 150-400 customer orders daily
- Implement effective sales techniques, including suggestive selling and cross-selling, leading to a 30% weekly revenue boost
- Earn Partner of the Quarter Award for outstanding performance and contribution to the team
- Motivate employees for 20% higher order accuracy, 50% shorter customer wait times, and efficient order-taking
- Train and mentor new hires on company policies, procedures, and Starbucks products, amplifying and performance and effectiveness of my team

## LEADERSHIP & PROFESSIONAL DEVELOPMENT

### Code for All QC

**New York, NY**

*Member*

December 2023 - Present

- Successfully joined to a tech-driven and diverse club of 1,100+ members to learn and be more familiarized with coding.
- Played a pivotal role by attending the workshop every Friday to answer leetcode questions together.
- Collaborate with other members to work as a team to figure out how to answer certain problems.

## PROJECTS

- **Student Management System Project** → Developed a web-based Student Management System using Java, JSP, JDBC, and MySQL. The application features functionalities to add, view, edit, and delete student records. Users can interact with a web interface to manage student information, with data handled through Java Servlets and stored in a MySQL database. The project includes robust error handling for database operations and secure management of credentials through a properties file. This implementation demonstrates expertise in server-side Java programming, web development with JSP, and database management, delivering a fully functional system for student record management.
- **Personal Portfolio Website Project** → Developed a personal portfolio website featuring a hero section with an introduction to my background, a resume page detailing education, work experience, and skills, a project showcase, an about me section with personal interests, and a contact form for communication. The website adheres to best practices for valid HTML and CSS, ensuring semantic markup and proper organization. It is responsive, optimized for various devices and screen sizes, and includes accessible images with appropriate alt text. The project demonstrates proficiency in web development, focusing on clean design, functionality, and user accessibility.
- **Node.js API Integration Project** → Developed a Node.js application that integrates the http.cat and imgbb APIs to fetch and upload images based on user input. The application sets up an HTTP server to handle client requests, processes user input from a web form to specify an HTTP status code, and fetches the corresponding image from the http.cat API. It then uploads the fetched image to the imgbb API using a POST request, displaying the uploaded image on the webpage upon success. The project includes comprehensive error handling for file operations, API requests, and response parsing, ensuring secure handling of API keys by storing them in a separate credentials file. This project demonstrates skills in server-side logic, asynchronous operations, and robust error management with Node.js.
- **Advanced Database Design and Implementation for Academic Course Scheduling** → Developed a database project for Queens College, converting the QueensClassScheduleCurrentSemester data into an Entity-Relationship Diagram (ERD) and implementing it in a newly designed database. Enhanced the Uploadfile.CoursesCurrentSemester table with extra columns and data types, and created stored procedures for managing data integrity and workflow. Collaborated with a team to produce a voice-annotated PowerPoint presentation and detailed documentation, culminating in a VHDx file of all project deliverables.

## CERTIFICATES/AWARDS

- Java Data Structures & Algorithms Udemy Course Certificate of Completion