Ileana Aguilar

(347) 495-4526 | ileana.aguilar1000@gmail.com | LinkedIn | Github | Portfolio

EDUCATION

Queens College, Queens NY — December 2024
B.A. in Computer Science — Cumulative GPA 3.1
Relevant Courses: Data Structures, Database Systems, Internet and Web Technologies
Codepath Web 102 - Web Development — February 2024 - April 2024

SKILLS

Programing Languages: Java, C++, Javascript, Python, HTML, CSS, SASS, Microsoft SQL Server, Common LISP, Swift
Frameworks and Libraries: React.js, React Native, JQuery, Node.js, Next.js
Tools: Linux, Git, VS Code, Microsoft Office (Excel, Word, PowerPoint), Microsoft Teams, Docker, Azure Data Studio, AWS

EXPERIENCE

Headstarter | Software Engineer Program — July 2024 - September 2024

- Developed and launched multiple full-stack AI projects, utilizing technologies such as **React**, **Node.js**, and **OpenAI APIs** to create innovative solutions for various use cases.
- Collaborated with a diverse cohort and dedicating 20 hours weekly to programming and project development, enhancing teamwork and applying AI concepts in a remote, asynchronous environment.

Bloomberg | Data Analyst Program — October 2023 - January 2024

- Selected for a competitive **10-week** mentoring program, chosen among numerous applicants to meet bi-weekly with a Bloomberg Data Analyst, enhancing my data analysis capabilities and career insight.
- Improved MSSQL skills through hands-on practice with diverse public datasets, leading to a **30%** increase in query efficiency and data processing speed.

Google | Software Engineer Program (G-SWEP) — February 2023 - May 2023

- Selected as **1 of 80** participants from over **350+** applicants for a 10-week intensive technical mentoring program.
- Enhanced technical problem-solving skills in **Python** and **Java**, data structures and algorithms, achieving an improvement in interview readiness and career clarity through weekly challenges, workshops, and mentorship.

Queens College | Tutor — January 2023 - June 2023

- Provided academic assistance to over **45+** students in Discrete Math and Algorithmic Problem Solving, leading to improved student performance and understanding.
- Facilitated effective learning by conducting 4 30-minute tutoring sessions 4 days a week and directing students to additional resources, achieving **75%** improvement in academic success and resource utilization.

PROJECTS

ERD-Based Academic Management Application — Github | View Project

- Collaboratively designed the QueensClassScheduleCurrentSemester database, converting it into an ERD and implementing SQL procedures to manage database integrity, streamline setup, and maintain data consistency using Docker and Azure Data Studio.
- Engineered SQL queries in Jupyter Notebooks with four peers, using advanced techniques like subqueries and CTEs to enhance data analysis and efficiently examine academic scheduling data.
- Developed a Java application using JDBC to execute SQL procedures on Microsoft SQL Server and integrated it with JavaSwing JTable for displaying query results, enhancing cross-platform data management, visualization, and operational efficiency.

TravelEase React AI Application — Github | View Project

- Developed TravelEase, a React-based web application that enables users to share and manage travel itineraries with features like sign-in/signup, post creation, updates, and deletion.
- Integrated a dynamic home feed with functionalities for liking, commenting, sorting by post time, and searching by title, enhancing user interaction and content accessibility.
- Integrated AI-generated itineraries and utilized PostgreSQL for robust backend management, ensuring efficient data handling and application scalability.

Pantry App | AI-Powered Recipe Suggestion Platform — Github | View Project

- Developed a Next.js application with Material UI for managing pantry items, including adding, deleting, and updating items with search and filter functionality.
- Implemented a Firebase backend for data storage and enabled image uploads via browser, leveraging the GPT Vision API for item analysis.

AFFILIATIONS

ProjectBasta | CodePath | Girls Who Code | Code Resolve | ColorStack | Rewriting The Code