Ileana Aguilar

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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

EXPERIENCE

Headstarter | Software Engineer Fellow   July 2024 - September 2024
- Developing and launching five AI projects, participating in hackathons, and aiming to acquire over 1,000 users for each project.
- Collaborating 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 | Mentee   October 2023 - January 2024
- Enhanced my understanding of data analysis and career development by meeting bi-weekly with a Bloomberg Data Analyst, resulting in improved interview performance and career insight.
- Acquired practical interview skills and career guidance by engaging in mentoring sessions, leading to enhanced readiness for technical interviews and job market navigation.

Google | Software Engineer Mentee   February 2023 - May 2023
- Developed critical software engineering skills by meeting weekly with a Google engineer for 10 weeks, resulting in a deeper understanding of industry practices and problem-solving techniques.
- Enhanced my technical and interview proficiency by completing 20 take-home assignments and training on technical interview questions, leading to improved performance in technical interviews.

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, resulting in enhanced academic success and resource utilization.

PROJECTS

SQL and Java Integration Project   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.

AFFILIATIONS

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