Robert J. Guzman

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EDUCATION

Lehman College |*Bronx, NY*
Bachelor of Science in Computer Science | GPA:3.40   **Expected Fall 2023**

Bronx Community College |*Bronx, NY*
Associate of Science in Computer Science | GPA:3.27   **Graduated Fall 2021**

EXPERIENCE

TD Bank Securities Manhattan NY   **06/2023 – 08/2023**
Software Engineer intern
- Created and implemented an innovative SQL database schema to streamline server request, resulting in a 40% reduction in data storage and retrieval time.
- Engineered a cutting-edge Java application utilizing the Spring Boot framework and Maven, improving data processing efficiency by 50% and optimizing trading operations.
- developed an advanced automation script using Python, leading to a 70% increase in testing efficiency through the simulation of complex request scenarios and thorough data validation.

Columbia University Med Center NY   **06/2021 – 08/2021**
Software Developer Intern
- Collaborated with development team to identify and resolve over 50 bugs in JavaScript files, resulting in improved functionality and a seamless user experience for the company's web applications.
- Participated actively in daily stand-ups and meetings, providing valuable suggestion that led to a 20% increase in product efficiency and overall improvement.
- Leveraged expertise in React, Node.js, Express.js, and SQL databases to contribute to the development and enhancement of web applications at Columbia University Med Center. Implemented robust front-end interfaces using React and utilized Node.js and Express.js to build scalable and efficient server-side functionalities.

Google
software engineer Development and Mentorship Program   **11/2020 – 05/2021**
- Joined Google's highly sought-after CSSI: Online Program, a 2-week immersion into the world of Python processing. Through engaging project-based learning, this exclusive curriculum, personally instructed by Google engineers, provided a comprehensive introduction to the language.
- Proved proficiency by completing a diverse set of 10 individual coding projects while applying key programming concepts such as variables, conditionals, loops, and functions. These projects demonstrated my growing expertise and ability to bring ideas to life through code.
- Led cross-functional troubleshooting sessions with QA, product management, and UX teams to resolve complex coding issues, resulting in a 30% decrease in average issue resolution time.

Connectemonos, NY   **06/2020 – 08/2020**
Software developer Intern
- Integrated front-end interfaces with backend technologies, such as Node.js and Python, in collaboration with cross-functional teams, resulting in increased efficiency by cutting the loading time of websites by 40%.
- Utilized JavaScript and various front-end technologies to create engaging and interactive web applications, increasing user engagement by 30%.
- Investigated and resolved application issues for web-based programs, ensuring seamless end-user support and enhancing overall user experience, resulting in a 20% decrease in customer complaints.

PROFESSIONAL TRAINING & DEVELOPMENT

New York Jobs CEO Council & CUNY   **07/2022 – 08/2022**
Software Engineer
Apprenticeship,
- Engaged in an intensive 5-week coding bootcamp, dedicating over 100 hours to mastering a diverse range of technologies.
- Utilized advanced data analysis techniques to optimize the performance of the database, resulting in a 20% reduction in query response time.
- Constructed a bespoke web application and database from inception, showcasing hands-on aptitude in HTML, CSS, JavaScript, Python, and SQL/PostgreSQL

PROJECTS

Learn Android Mobile App   **12/2022**
- Collaborated on a school project to develop a comprehensive Android app using Java and Firebase, aimed at streamlining the learning process for incoming computer science students in the advanced mobile development course.
- Leveraged Java programming language to implement key features and functionalities within the Android app, ensuring a user-friendly interface and seamless navigation.
- Utilized Firebase, a powerful cloud-based platform, to integrate real-time data storage, authentication, and backend services, enhancing the app's functionality and providing a seamless learning experience for students.

Full stack Guess Game   **08/2022**
- Work on a front and backend applications with HTML, CSS, and JavaScript including back-end frameworks.
- Acquired valuable experience working with PostgreSQL as the database, leveraging its capabilities to efficiently store and retrieve game data.
- Combined Python and Flask to build the backend of the application, further enhancing skills in Python programming and gaining hands-on experience in running web applications.

Attendance Tracking System   **05/2022**
- Worked in a team to create a TypeScript web application so users can take attendance while using node.js and ionic.
- Delivered and rendered components using Angular allowing users to register and receive notifications incrementing the facility to take attendance at school for a 15%.
- Created page layouts, input forms, navigation bars, and displays for images using HTML and CSS.

TECHNICAL SKILLS & RELEVANT COURSEWORK

Frameworks: React.JS, Flask, Spring Boot, Express.JS, Node.JS, Angular, Ionic, Bootstrap.
Operating Systems & Other Technologies: Windows, MacOS, Jira, Confluence, Git, Bitbucket, GitHub, Maven, Json, XML.
Programming Languages: Python, Java, HTML, CSS, JavaScript, TypeScript.
Database: Oracle SQL, PostgreSQL, MySQL, Firebase, PowerBI, SQLite.
Coursework: Data Structure & Algorithms, Database system, Computer Organization, Mobile Programming, Operating System, Full-stack Development, Software Engineer, Introduction to Networks, Programming Methods I & II, Vector Calculus, Discrete Math I & II, Linear algebra