Robert J. Guzman

U.S Citizen | New York | 347-825-7294 | Robert.guzman3@lc.cuny.edu | GitHub | LinkedIn | Portfolio

EDUCATION

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

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

TECHNICAL SKILLS & RELEVANT COURSEWORK

Frameworks: React.JS, Node.JS, Flask, Spring Boot, Express.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.
Organizations: ColorStack, Society of Hispanic Professional Engineers.
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

EXPERIENCE

TD Bank Securities   **Manhattan, NY**
Software Engineer Intern   **June 2023 – Aug 2023**
- Architected and implemented an innovative **Oracle SQL** database schema to streamline server requests, resulting in a 40% reduction in data storage and retrieval time.
- Engineered a cutting-edge Senior level project **Java** web service application utilizing the **Spring Boot** framework and **Maven**, improving data processing efficiency by 50% leading to the optimization of critical trading operations.
- Developed an advanced automation script using **Python**, leading to a 67% increase in testing efficiency through different trading scenarios, enabling comprehensive validation of data interactions between the **Spring** web service and the **Oracle** database.

Project Destined   **New York, NY**
Program Manager   **Sept 2022 – Dec 2022**
- Managed a cross-functional team of 10+ interns from New York State during a 12-week program, fostering collaborative coding efforts and skill augmentation.
- Crafted an **investment memo** using **advanced software techniques**, presenting it to leading firms like Brookfield, JLL, Tishman Speyer, and others, yielding a 20% increase in investor engagement and a successful presentation to 50+ stakeholders.
- Mentored and Led intern analysis of a **multifamily asset acquisition**, improving **investment decision** accuracy by 15% through **data modeling** and precise problem-solving.

Columbia University Med Center   **Manhattan, NY**
Software Developer Intern   **June 2021 – Sept 2021**
- Devised different solutions with the development team to identify and resolve over 50 bugs in **JavaScript** programs, 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 suggestions that led to a 20% increase in product efficiency and overall improvement while keeping the updates using **Jira** Software.
- Leveraged **React, Node.js, Express.js**, and **SQL** expertise to elevate web applications at Columbia University Med Center. Expertly crafted efficient front-end interfaces and scalable server functions, optimizing system efficiency and user experience.

Google   **New York, NY**
Software Engineer Development and Mentorship Program   **Nov 2020 – May 2021**
- Designed and developed a portfolio of ten **Python**-based coding projects, including **data-driven** apps and **algorithmic** problems. These projects distinctly attest to the aptitude for transforming abstract ideas into tangible, high-impact code solutions.
- Optimized **data structures**, resulting in a 20% memory utilization improvement, and engineered **software systems** to seamlessly accommodate an 81% growth in user data.
- Coordinated cross-functional troubleshooting, fostering collaboration with **QA, PMS, and UX teams**, yielding a 30% reduction in issue resolution time.

Connectemonos   **Manhattan, NY**
Software Developer Intern   **July 2020 – Sept 2020**
- 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 26% decrease in customer complaints.

PROJECTS

Learn Android Mobile App | Git Repository.   **Sept 2022 – Dec 2022**
- Collaborated on the creation of an Android app using **Java** and **Firebase** to improve the learning experience for advanced mobile development students.
- Leveraged **Java** programming language to implement key features and functionalities within the **Android app**, ensuring a user-friendly interface and seamless navigation.
- **Firebase** was implemented, optimizing **real-time data** storage, authentication, and **backend** services for improved app functionality and a better learning experience for students.

Full stack Guess Game | Git Repository.   **July 2022 – Aug 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 | Git Repository.   **June 2022 – May 2022**
- Developed **HTML** and **CSS**-based page layouts, input forms, navigation bars, and image display components for the user **interface (UI)** of the App.
- Collaborated on a team to develop a **TypeScript** web application enabling users to manage attendance efficiently, utilizing **Node.js** and **Ionic** framework.
- Developed **Angular** components for user registration and attendance tracking, enhancing school facility management by 15%.