ROBERT ORTIZ

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Education

City University of New York, College of Staten Island | Staten Island, NY

Bachelor of Science in Computer Science | ABET Accredited | GPA: 3.9 | *Expected Fall 2024*

Relevant Coursework: Machine Learning, Algorithms, Database Fundamentals, Data Structures, Computer Architecture, Operating Systems, Software Design, Web Dev, Linear Algebra, Probability Theory & Statistics

Professional Experience

Amazon | New York, NY

Software Engineering Intern | *June 2024 – August 2024*

- Designed and implemented automated integration testing workflows, ensuring seamless compatibility of datasets and components, eliminating manual intervention, and increasing team productivity
- Utilized AWS CDK to accelerate deployment and reduce infrastructure design overhead for automated integration, validation, and canary testing, saving up to ½ a day of engineering time
- Led the integration of automated tests within CI/CD pipelines, minimizing deployment risks and improving code quality, resulting in faster feedback loops and more reliable software releases

SPEAKHIRE | New York, NY

Software Engineering Intern | *February 2024– May 2024*

- Engineered and optimized portal site functionalities by integrating RESTful API endpoints to retrieve, manipulate, and persist data within Material UI tables
- Designed and implemented dynamic, stateful React components to improve user interaction and streamline website navigation, enhancing overall user experience
- Collaborated in an Agile environment with a multidisciplinary team, applying best practices in software development, code versioning, and CI/CD pipelines to deliver robust, scalable web solutions

PMI Medical Management | New York, NY

Billing Account Supervisor | *October 2017– June 2023*

- Led a results-driven team of 4 to drive a 10% revenue boost by implementing streamlined workflows, closely monitoring claim follow-up for prompt and accurate reimbursement, and optimizing revenue generation
- Collaborated with cross-functional teams, including physicians and ~10+ insurance companies, to resolve billing and coding issues, ensuring compliance with regulations and payer guidelines
- Successfully managed Accounts Receivable (A/R) reports and utilized data analysis tools to categorize 500+ accounts daily based on outstanding balances, effectively reducing balances and improving clients' financial standing

Projects

Spelling Bee App | *SQLite, Express, React, Node.js* | *May 2024*

- Developed a multi-game that reinvented the traditional format into three distinct games: auditory spelling, definition-based word selection, and fill-in-the-blank challenges, using React for the frontend and Express for the backend
- Utilized SQLite database to manage user data, game scores, and a custom-built dictionary, ensuring fast, scalable access to game-related data and real-time updates across multiple rounds
- Created and hosted a responsive web platform to house the game, featuring a user-friendly interface for game selection, integrated sound effects, and multi-round gameplay to enhance user engagement and replayability

ChitChat | *PostgreSQL, Express, React, Node.js, AWS* | *August 2023*

- Created interactive user communities (Chatrooms) infused with extensive CRUD functionality, empowering users to initiate, participate, and delve into discussions tailored to their interests
- Employed polymorphic associations to enable versatile data handling and elevate the quality of user experiences

Datathon | *Python, SQL, Tableau* | *January 2022*

- Developed an innovative data science solution to help casual users gain insights about how COVID-19 impacted citizens' lives, how the unemployment rate changed over time, and observed how tech companies such as FAANG performed during the 2020 pandemic
- Partner with a team of 3 in analyzing and wrangling COVID-19 and stock datasets to understand the impact COVID-19 had on the selected stocks
- Worked on multiple assignments, such as designing, building, and presenting a visualization of predictions

Skills

Programming: AWS, Apache Spark, Python, JavaScript, Java, React, Next.js, SQL, C++, HTML, CSS, Tailwind CSS,

Certifications: Tech Talent Pipeline Residency Program, Break Through Tech AI, Forage: Accenture Data Analytics Virtual Experience, Code Path's Intro to Web Dev, NY Jobs CEO & CUNY EverUp Micro-Credential in Data Analytics,