Jorge Robles

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Languages & Frameworks: Python, Java, Swift, Kotlin, TypeScript, JavaScript, HTML/CSS, SQL, C++, C, React, Express, Node

EDUCATION

City University of New York - Queens College | **Queens, New York**

B.A. in Computer Science   **01/24**

B.A. in Music Education   **01/20**

PROFESSIONAL EXPERIENCE

Software Engineer | **Google** | **Cambridge, MA**   **12/24 - Present**
- Streamlined ad serving and maximized publisher revenue by developing and optimizing core components of Google Ad Manager's serving infrastructure, impacting the efficiency and effectiveness of ad delivery within publisher tags.
- Increased fill rates and higher CPMs for publishers, as measured by internal Google metrics and publisher feedback.

Software Engineer Intern | **VegBoom Corp** | **New York, NY** (**Full Time Internship**)   **06/24 - 08/24**
- Built and soft-launched a full-stack web application using **React.js, Next.js, Express.js, Node.js, TypeScript**, and **PostgreSQL** that reduced user research time by 60% and achieved a 95% positive feedback rate in pre-launch testing
- Streamlined cross-team collaboration between 3 departments, reducing project timeline by 25% and delivering 15+ key features ahead of schedule through implementation of Agile methodologies
- Integrated 5+ third-party **REST APIs** including **OpenAI** and **Google Search**, resulting in 40% faster data retrieval and a 70% increase in relevant search results for users compared to generic search queries

Freelance Software Developer | **New York, NY** (**Part Time**)   **09/22 - 11/24**
- Engineered a custom scheduling algorithm (**Java/Python**) for public school music lessons, eliminating manual scheduling and streamlining educational processes, saving 30 hours per user per year
- Led the design and initial development of a full-stack, in-house inventory management web application (**React.js, Node.js., PostgreSQL**), streamlining business operations, increasing inventory turnover by over 50%, and enabling enhanced inventory tracking impacting over 300 users

Computer Science Tutor | **Queens College** | **New York, NY** (**Full Time**)   **01/24 - 11/24**
- Increased overall grades of students by 57% semester over semester through introducing peer programming sessions to enhance collaborative learning and conducting weekly one-on-one mentoring sessions to address specific challenges

PROJECTS

Bloomberg Tech Lab Fellow | **Bloomberg LP** | **New York, NY**   **04/24**
- Engineered a high-throughput message queue system using **Python, RabbitMQ,** and **Docker** that processed 1,200+ messages/second with 99.9% uptime

Queens College Computer Science AI Advisor | **HackCUNY 1st Place Winner** (**100**+ **Participants**)   **02/24**
- Designed and launched an AI platform serving 500+ Computer Science students, resulting in a 40% reduction in course planning time and 85% improvement in scheduling accuracy using **Flask, JavaScript, OpenAI's API**, and **Tailwind CSS**
- Processed and analyzed 1,000+ student feedback data points to optimize the AI model, achieving a 92% student satisfaction rate and reducing academic planning errors by 65%

CUNYFirst Course Enroller | **Personal Project**   **05/23**
- Completely automated course scheduling and tracking, leveraging **Selenium WebDriver** and **Chromium** in **Python**
- Achieved 93% faster course availability (<5 seconds) than competitors by implementing an asynchronous web scraper
- Served over 60 users simultaneously across multiple online communities by building a scalable Discord bot API