

JORGE ROBLES

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EDUCATION

CUNY - Queens College
Bachelor's, Computer Science

July 2022 - December 2023

CUNY - Queens College
Bachelor's, Music Education

August 2015 - January 2020

PROFESSIONAL EXPERIENCE

Jorge Robles
Freelance Software Developer

New York, NY, USA
September 2022 - Present

- Streamlined educational processes by developing a Java and Python-based scheduler for music lessons, achieving a 99% reduction in manual scheduling efforts and enhancing operational efficiency by 90%.
- Pioneered the integration of AI for academic advising with the "Queens College Computer Science AI Advisor," employing Flask, JavaScript, and OpenAI's GPT technology, which led to a 95% time saving in academic planning for computer science students.

CUNY - Queens College
Code For All Workshop Developer

New York, NY, USA
January 2023 - Present

- Successfully led monthly workshops for over 40 students, enhancing their continuous learning and adaptability in software engineering as evidenced by consistent positive feedback and increased workshop engagement. Achieved a comprehensive learning experience by adopting a cross-functional approach to cover both front end (UI/UX, React.js) and back end (Node.js, Python) development, significantly improving the user experience as measured by user feedback and iterative testing.

New York City Department of Education
Music/Band Teacher

New York, NY, USA
August 2021 - September 2022

Roosevelt Union Free School District
Assistant Band Director

Roosevelt, NY, USA
January 2021 - August 2021

New York City Department of Education
Substitute Teacher

New York, NY, USA
January 2020 - December 2020

PROJECTS & OUTSIDE EXPERIENCE

QCCS AI Advisor
Lead Full Stack Developer

New York, NY, USA
February 2024 - February 2024

- Spearheaded the development of first place award winning "Queens College Computer Science AI Advisor" at HackCUNY, utilizing Flask, JavaScript, OpenAI's GPT technology, and Tailwind CSS, significantly enhancing the academic planning process for computer science students.
- Engineered a custom mini-framework with vanilla JavaScript, improving the application's load time and responsiveness by over 50%, leading to a more streamlined user experience.
- Integrated AI-driven personalized academic advice, resulting in a 95% reduction in the time students spend planning their academic schedules, based on preliminary user feedback.
- Played a pivotal role in troubleshooting and refining the AI model's integration, reducing "hallucinations" in generated advice by 85% through strategic data manipulation and system message optimization.

Web Automation Project
Lead Developer

March 2023 - April 2023

- Accomplished automated course scheduling and tracking akin to popular application Coursicle leveraging Selenium WebDriver, measured by the system's capability to intelligently match and enroll students into their desired schedules while handling edge cases and sending real-time notifications.

Music Lesson Schedule Builder
Lead Developer

October 2022 - July 2023

- Leveraged Java's cross-platform capabilities to develop a desktop application using the Swing library, delivering a robust and user-friendly interface accessible on multiple operating systems without compromising functionality or performance.
- Improved scheduling efficiency with a 99% reduction in total time spent by the client creating lesson group schedules based on preliminary feedback.

SKILLS

Skills: Python, Java, JavaScript, C/C++, Git, HTML/CSS, MySQL, SQL, React.js, Node.js, Express.js, Web Development, Agile, AI, Backend Development, Shell, REST APIs, Flask