

# JORGE ROBLES

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## EDUCATION

**CUNY - Queens College** **July 2022 - December 2023**  
*Bachelor's, Computer Science*

**CUNY - Queens College** **August 2015 - January 2020**  
*Bachelor's, Music Education*

## PROFESSIONAL EXPERIENCE

**Jorge Robles** **New York, NY, USA**  
*Freelance Software Developer* *September 2022 - Present*

- Streamlined educational processes by developing a Java and Python-based scheduler for music lessons, achieving a 90% reduction in manual scheduling efforts and enhancing operational efficiency by 75%.
- 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** **New York, NY, USA**  
*Code For All Workshop Developer* *January 2023 - Present*

- Led monthly workshops for 40+ students on common computer science topics, fostering continuous learning and adaptability in software engineering.
- Utilized a cross-functional approach to deliver workshops covering front end (UI/UX, React.js) and back end (Node.js, Python) development, incorporating user feedback and testing to improve the user experience.

**New York City Department of Education** **New York, NY, USA**  
*Music/Band Teacher* *August 2021 - September 2022*

**Roosevelt Union Free School District** **Roosevelt, NY, USA**  
*Assistant Band Director* *January 2021 - August 2021*

**New York City Department of Education** **New York, NY, USA**  
*Substitute Teacher* *January 2020 - December 2020*

## PROJECTS & OUTSIDE EXPERIENCE

**QCCS AI Advisor** **New York, NY, USA**  
*Lead Full Stack Developer* *February 2024 - February 2024*

- Spearheaded the development of the "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** **March 2023 - April 2023**  
*Lead Developer*

- Accomplished automated course scheduling and tracking akin to popular application Coursicle, 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.
- Leverages Selenium WebDriver for browser automation and employs a user-friendly approach to navigate the web platform. Integrates both Twilio and Discord webhooks to provide instant text message alerts.

**Music Lesson Schedule Builder** **October 2022 - July 2023**  
*Lead Developer*

- 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.

## 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