

# JORGE ROBLES

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github.com/Jorge-D-Robles/projects

## 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*

- Developed a custom schedule generator for a school's music pull-out lessons in Java and Python, automating a process that saved hundreds of hours of manual scheduling, tailored to the school's unique requirements, demonstrating adaptability and analytical problem-solving skills.
- Planned a web-based inventory management system for a school's music program, producing comprehensive blueprint and design specifications for future implementation, showcasing cross-functional communication and documentation skills while leveraging full stack JavaScript.

**CUNY - Queens College**  
*Code For All Workshop Developer*

**New York, NY, USA**  
*January 2023 - Present*

- Led monthly workshops for 40+ students on topics such as setting up a development environment, expanding beyond the college curriculum, and preparing for technical interviews, 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.
- Managed a group of 40+ students to provide training in various technical areas, including database (SQL, NoSQL) development and documentation, enhancing their communication skills and teamwork.
- Supported students in learning full stack development, including React.js for front-end and Node.js for back-end, promoting continuous learning and adaptability in software engineering.

**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

**Web Automation Project**  
*Lead Developer*

*March 2023 - April 2023*

- 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**  
*Lead Developer*

*October 2022 - July 2023*

- Developed a custom schedule generator for a school's music pull-out lessons, as measured by the successful randomization and compliance of 20 lesson groups with user-defined parameters.
- Improved efficiency with a 99% reduction in total time spent creating lesson group schedules prior to Schedule Builder.
- Leveraged Java's Object-Oriented Programming concepts and implemented a comprehensive GUI using the Swing library for the Java version, and by adopting a command-line interface for the Python version.

## SKILLS & INTERESTS

**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

**Interests:** Music Production, Music Composition in Video Games and Films, Education Technology, Hiking, Small Pets