JORGE ROBLES

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github.com/Jorge-D-Robles/projects

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

CUNY - Queens College   **New York, NY, USA**
Code For All Workshop Developer   *January 2023 - Present*
- Developed and led monthly and weekly workshops on software engineering, including topics such as setting up a development environment, learning beyond the college curriculum, and preparing for technical interviews, training over 100 students.
- Collaborated with cross-functional teams to ensure the workshops aligned with business strategies and objectives.
- Utilized effective communication skills to deliver workshops and validate students' understanding of technical interview preparations.

Jorge Robles   **New York, NY, USA**
Freelance Software Developer   *September 2022 - Present*
- Designed and 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.
- Accomplished initial planning for a web-based inventory management system for a school's music program, measured by a comprehensive blueprint and design specifications, leveraging full-stack JavaScript for its future implementation.

New York City Department of Education   **New York, NY, USA**
Music/Band Teacher   *August 2021 - September 2022*
- Developed and implemented a Grade 7 General Music curriculum integrating digital literacy and composition using applications such as Apple's Garage Band and Google's Chrome Music Lab, aligning with educational and business objectives.

Roosevelt Union Free School District   **Roosevelt, NY, USA**
Assistant Band Director   *January 2021 - August 2021*
- Implemented cross-functional educational strategies to validate student understanding and achievement in music education.

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

PROJECTS & OUTSIDE EXPERIENCE

Music Lesson Schedule Builder   **Long Island, NY, USA**
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.

Web Automation Project   **New York, NY, USA**
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.

SKILLS & INTERESTS

Skills: Flask, JavaScript, C/C++, Git, HTML/CSS, Java, MySQL, SQL, Python, React.js, Node.js, Express.js, Web Development, Agile, AI, Backend Development, Shell, REST APIs
Interests: Music Production, Music Composition in Video Games and Films, Education Technology, Hiking, Small Pets