Jorge Robles

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https://github.com/Jorge-D-Robles/projects

EDUCATION

Queens College	December 2023
Bachelor's in Computer Science	*Current GPA: 3.4*
Ithaca College	August 2021
Master's in Music Education (15/30 credits completed)	*GPA: 4.0*
Queens College	January 2020
Bachelor's in Music Education	*GPA: 3.4*

SKILLS

Languages: Python, Java, HTML/CSS, JavaScript, C++, C, SQL
Tools: Git/GitHub, Unix Shell, IntelliJ IDEA, VS Code, Software Design Patterns, Artificial Intelligence, Linux, Flask
Additional Skills: Education, Public Speaking, Coaching and Mentoring, Team Management, Strategic Leadership, Performance Management, Learning Methodologies, Music Production, Agile Methodologies.

PROJECTS

Music Lesson Schedule Builder | *Java, IntelliJ IDEA, Python*   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.

CUNYFirst Class Enroller | *Python, Selenium, Web Automation*   March 2023
- Accomplished automated course enrollment for CUNYFirst users, 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 human-like approach to navigate the CUNYFirst platform. Integrates both Twilio and Discord webhooks to provide instant text message alerts.

EXPERIENCE

Freelance Software Developer - Jonas E Salk Middle School Music Dept | *Software Development*   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 the initial planning for a web-based inventory management system, as measured by a comprehensive blueprint and design specifications, by leveraging full-stack JavaScript for its future implementation.

Code For All Workshop Developer - Queens College | *Software Development*   Jan 2023 - Present
Led monthly in-person workshops for 40+ students pertaining to Software Engineering with topics including: "Setting Up a Development Environment", "Learning Beyond the College Curriculum" and "Preparing For Technical Interviews" as well as weekly online sessions for 30+ students covering technical interview preparation through the Leetcode platform.

Music Teacher - NYC Dept of Education, New York, NY | *Education*   Aug 2021 - Sept 2022
Planned and implemented a highly successful General Music curriculum for Grade 7 that focuses on digital literacy and composition through using software applications such as Apple's Garage Band and Google's Chrome Music Lab.

Assistant Music Teacher - Roosevelt Union Free School District | *Education*   Jan 2021 - Aug 2021

Substitute Teacher - NYC Dept of Education, New York, NY | *Education*   Feb 2020 - Jan 2021