


# Jorge Robles

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

## EDUCATION

<b>Queens College</b> <i>Bachelor's in Computer Science</i>	December 2023 <i>Current GPA: 3.4</i>
<b>Ithaca College</b> <i>Master's in Music Education (15/30 credits completed)</i>	August 2021 <i>GPA: 4.0</i>
<b>Queens College</b> <i>Bachelor's in Music Education</i>	January 2020 <i>GPA: 3.4</i>
<b>New York State</b> <i>Initial Teaching Certificate, K-12 Music</i>	January 2020

## SKILLS

**Languages:** Python, Java, HTML/CSS, JavaScript, C++, C, SQL  
**Tools:** Flask, Git/GitHub, Unix Shell, IntelliJ IDEA, VS Code, Software Design Patterns, Artificial Intelligence, Linux  
**Additional Skills:** Education, Public Speaking, Leadership, 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
- Accomplished the development of 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. Achieved this by leveraging Java's Object-Oriented Programming concepts and implementing a comprehensive GUI using the Swing library for the Java version, and by adopting a command-line interface for the Python version. ***Example CSV Export Here.***
- CUNYFirst Class Enroller** | *Python, Selenium, Web Automation* March 2023
- A Python-based automation tool designed to assist users in course enrollment. The program intelligently matches the user's current schedule with their desired schedule, enrolling or swapping classes as they become available. This project serves as a practical application of automation for educational purposes using the Selenium web driver.

## 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 the 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
- Plan and host occasional workshops for Computer Science students related to Software Development.
- 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