JORGE ROBLES

+13474303990 | me@jorgerobles.com | Elmhurst, NY, USA | linkedin.com/in/jorge-d-robles/ |

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

Jorge Robles   **New York, NY, USA**
Freelance Software Developer   *September 2022 - Present*
- Built a Java and Python-based scheduler for music lessons, creating a custom algorithm to automate the generation of schedules for clients. Streamlined educational processes, achieving a total reduction in manual scheduling efforts and enhancing operational efficiency, saving 30 hours per year per user.
- 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 substantial time saving in academic planning for computer science students.

CUNY - Queens College   **New York, NY, USA**
Code For All Workshop Developer   *January 2023 - Present*
- Created a regular workshop series for QC students, enhancing their continuous learning and adaptability in software engineering as evidenced by consistent positive feedback and increased workshop engagement.
- Achieved a comprehensive learning experience by adopting a cross-functional approach to cover both front end (UI/UX, React.js) and back end (Node.js, Python) development.

New York City Department of Education   **New York, NY, USA**
Music/Band Teacher   *February 2020 - September 2022*

PROJECTS & OUTSIDE EXPERIENCE

QCCS AI Advisor   **New York, NY, USA**
Lead Full Stack Developer   *February 2024 - February 2024*
- Accomplished integration of AI to Academic Advising at Queens College, winning first place at the CUNY Hackathon, 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 utilizing the OpenAI API, resulting in a substational 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 leveraging Selenium WebDriver, 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.

Music Lesson Schedule Builder   *October 2022 - July 2023*
Lead Developer
- Implemented automated course scheduling, completely reducing manual efforts through the use of 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