Kian Rodrigo Silva

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EDUCATION:

Sarah Lawrence College   **Bronxville, NY**

Bachelor of Arts; Concentration: Computer Science

Columbia University   **New York, NY**

Bachelor of Science, expected May 2026; Major: Computer Science

SKILLS:

- **Programming:** Python, JavaScript, HTML, CSS, SQL, Java, C#, React, C
- **Tools & Technologies:** AWS, Docker, AutoDesk Suites, Postman, RESTful Services
- **Languages:** English (Fluent), Spanish (Bilingual)

RELATED EXPERIENCE:

Lab Assistant   **New York, NY**

Columbia University, E3B Lab, Professor Marina Cords   Sept 2024 – Present

Back-end Software Technology Intern   **Remote**

PharmaCCX   June 2022 – Feb 2024

- Successfully performed API testing by designing and executing 200+ test cases, ensuring the functionality, data integrity, and error handling of RESTful services.
- Utilized tools such as Postman to streamline and automate the testing process, achieving a 50% decrease in manual testing efforts.
- Detected and reported 50+ defects and issues, using bug-tracking tools and data analysis, resulting in enhanced software reliability.

Teacher Assistant/Tutor, Introduction to Computer Science   **Bronxville, NY**

Sarah Lawrence College   Sept 2023 – Dec 2023

- Developed and adapted teaching styles to establish fundamental computer science principles and problem-solving techniques.
- Provided support to students in introductory computer science courses, quickly finding and teaching an understanding for finding bugs in students' code.

Computer Science Research Assistant   **Bronxville, NY**

Sarah Lawrence College, Professor Siff and Professor Marshall   May 2023 – August 2023

- Developed a robust Python library for measuring and benchmarking the efficiency of Python language constructs and algorithms, resulting in a 40% reduction in runtime for critical operations.
- Revamped institution's course catalogue and scheduling using Python and Flask, creating an efficient web app. Enhanced student registration experience, real-time updates, and intuitive search, improving overall user satisfaction and administrative processes.

PROJECTS:

Weather App

- Built a React-based weather app with API integration and responsive design.

Course Scheduling System

- Created a scheduling algorithm and GUI, later adopted by the institution.

Personal Portfolio

- Developed a Next.js portfolio with dynamic features and modern design aesthetics.

LEADERSHIP:

Men's Soccer Captain, DEI Athletics Representative, SAAC (Student Athlete Advisory Committee) member, Sarah Lawrence Ski Club President