

# KIAN SILVA

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## EDUCATION

Columbia University, New York, NY  
*Bachelor of Science, Computer Science*  
Sarah Lawrence College, Bronxville, NY  
*Bachelor of Arts, Computer Science*  
(Dual degree 3-2 program)

*Anticipated May 2026*

*Anticipated May 2025*

## SKILLS

Python; JavaScript; HTML; CSS; SQL; Java; C#; React; C; MIPS; AWS; Docker; AutoDesk Suites; Postman; RESTful Services; Pandas, Scikit Learn

## EXPERIENCE

### Bili, Remote

#### Software Engineer Intern

*Jan 2025 - Present*

- Built a drag-and-drop panel for automation workflows by designing a central interface for assembling sequences of agents and decision branches, enabling users to visually configure and connect nodes.
- Integrated real-time fetching and display of execution details, including logs, status updates, and results, to provide immediate insights into task performance and support workflow optimization.

### Columbia University, New York, NY

#### Lab Assistant | E3B Lab, Professor Marina Cords

*Sep 2024 – Present*

- Built new coding algorithms to automate data cleaning processes by streamlining workflows and reducing manual intervention, achieving a 40% reduction in errors and a 50% increase in data collection efficiency.

### PharmaCCX, Remote

#### Back-end Software Technology Intern

*June 2022 – Feb 2024*

- Performed API testing by designing and executing 200+ test cases, ensuring the functionality, data integrity, and error handling of RESTful services
- Automated the testing process utilizing Postman to streamline efficiency, 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

### Sarah Lawrence College, Bronxville, NY

#### Teacher Assistant/Tutor, Introduction to Computer Science

*Sep 2023 – Dec 2023*

- Developed and adapted computer science pedagogy to establish fundamental computer science principles and problem-solving techniques
- Taught students how to quickly identify and understand bugs in computer codes

### Sarah Lawrence College, Bronxville, NY

#### Research Assistant, Professor Siff and Professor Marshall

*May 2023 – Aug 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 catalog and scheduling using Python and Flask, creating an efficient web application to enhance student registration experience, real-time updates, and intuitive search, improving overall user satisfaction and administrative processes

## INDEPENDENT PROJECTS

### Personal Portfolio 8/24

- Developed a Next.js portfolio with interactive features and sleek design elements, built to increase skill set in UI design and front end development

### Formula One Simulated Annealing 5/23

- Applied Simulated Annealing algorithm to optimize the Formula One calendar, reducing the total travel distance by over 94,000 kilometers, resulting in significant cost savings and a reduction in carbon emissions

### Weather App - 3/23

- Utilized API integration to provide real-time weather updates using the openWeather API and ReactJS

## LANGUAGES, INTERESTS & AFFILIATIONS

**Languages:** English (Fluent), Spanish (Fluent)

**Interests:** McLaren Formula One, FCBarcelona, Jazz Hip-Hop, Hiking, Soccer, Skiing

**Affiliations:** **Captain:** Sarah Lawrence Men's Soccer (2022-2024); **Athletics Representative:** Sarah Lawrence DEI (2021-2024)  
**Member:** Student Athlete Advisory Committee; **President:** Sarah Lawrence Ski Club (2023-2024)