

# Ricardo Barnes

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[Linkedin](#) | [Github](#) | [Portfolio](#)

## Education

Claflin University

Expected Graduation Date: May 2026

Bachelor of Computer Science

GPA: 3.9/4.0

Relevant Coursework: Principles of Programming | Calculus | OOP | Discrete Mathematics | Data Structure & Algorithms

## Experience

**Claflin University**

South Carolina, SC

*Residential Assistant*

*August 2023-Present*

- Lead team meetings and collaborated with fellow RAs to brainstorm and execute initiatives like the implementation of monthly bonding activities that enhanced dormitory cohesion and student engagement.
- Manage administrative tasks such as room assignments, maintenance requests, and resident documentation, ensuring accurate and organized records.
- Balance academic commitments with RA responsibilities, effectively managing time to fulfill duties, engage with residents, and contribute to the dormitory community.

**Claflin University**

South Carolina, SC

*Student Research Intern*

*May 2023-July 2023*

- Collaborated with Dr. Dey to investigate wave propagation using various tools and mathematical concepts.
- Utilized concepts from partial differential equations, including first-order Hamilton-Jacobi equations, to formulate the eikonal equation representing wavefront propagation.
- Employed mathematical software libraries like NumPy, SciPy, or MATLAB to implement numerical solvers for the eikonal equation and visualize resulting wave propagation patterns.

## Personal Projects

- Designed and developed a visually polished Netflix clone, utilizing HTML, CSS, and JavaScript to meticulously replicate the platform's user interface. ([Netflix-Clone](#))
- Developed a web-based weather information page employing HTML, CSS, and JavaScript, incorporating an external API to present real-time weather data for a chosen city. ([Weather-Page](#))
- Constructed an interactive expense tracker using HTML, CSS, and JavaScript, enabling users to input and manage financial transactions. ([Expense-Tracker](#))
- Collaborating with a student team to create a comprehensive travel website catering to travelers of all budgets. Utilizing HTML, CSS, and JavaScript for an inclusive user experience and seamless device responsiveness. Enhancing functionality through backend tools like MongoDB.

## Technical Skills

HTML5      CSS3      JavaScript      Java      Python      Linux

## Leadership and Extracurricular Activities

Claflin University Career Centre: Career Ambassador

*October 2022-present*

- Represent the career development office at events and conferences hosted by companies and organizations such as the National Urban League Conference and the Amazon re: Inforce Conference.

Google Student Developer Club: Program Coordinator

*November 2022-present*

- Coordinate and execute events, including workshops and seminars, ensuring smooth logistics and high participant satisfaction.

National Society for Black Engineers: Secretary

*December 2022-present*

- Work closely with the NSBE executive board to ensure alignment of communication strategies, event planning, and organizational initiatives.

## Honors and Awards

Alice Carson Tisdale Honors College Member (present); AgFirst Scholarship Recipient (2023); President's list (2022)