

# Richard Martinez Jr.

Germantown, MD | (240)-756-9333 | [rjmartinez422@gmail.com](mailto:rjmartinez422@gmail.com) | [linkedin.com/in/richardjmartinezjr/](https://www.linkedin.com/in/richardjmartinezjr/)

## EDUCATION

**University of Maryland, College Park, MD** | *B.S. in Computer Science* *Expected May 2025*

- GPA: 3.71 / 4.00
- Awards: Dean's List x4, Certificate of Outstanding Achievement x4, OMSE Academic Excellence Award
- Relevant coursework: Object-Oriented Programming I & II, Introduction to Computer Systems, Data Structures, Algorithms, Organization of Programming Languages, Compilers, Web Development, iOS Development

## SKILLS

**Languages:** Python, Java, C/C++, Swift, PostgreSQL, HTML/CSS, JavaScript, OCaml, Racket, Ruby, MATLAB

**Software:** Visual Studio, Eclipse, XCode, Google's App Script, Microsoft Office, Adobe Photoshop/Audition, pgAdmin

**Certifications:** Python, PostgreSQL, C++ (pending), AWS (pending)

## EXPERIENCE

**CMNS Ambassador** | *College of Mathematical & Natural Science (CMNS)* *May 2023 - Present*

- Serve as a guide and resource provider for incoming Freshmen, promoting their engagement and motivation towards pursuing degrees in the College of Computer and Natural Science and related majors

**Database Technician Internship** | *Office of Multi-Ethnic Student Education* *Jul 2022 - Present*

- Reorganized back-end for storing data on tutoring analytics to streamline professional support and increase scalability for the program's future growth using JavaScript, Google Sheets, and Google's App Script
- Led front-end development of the program's traffic log to handle 7000+ yearly form submissions using the student's ID card to verify correct information and demonstrate growth to the program's sponsors
- Presented weekly meetings with colleagues and the program's executive department to discuss and share ideas, flowcharts, and upcoming features to increase transparency between departments

**Executive Board Leader** | *Office of Multi-Ethnic Student Education* *May 2022 - Present*

- Supported Black and Latino male students in their personal lives, education, and careers through the CSS program, including tutoring, study groups, and review sessions to promote engagement and productivity for 120+ students.
- Mentored 2 first-year underrepresented minority Computer Science students for an academic year to increase their encouragement for programming and to increase diversity in Computer Science
- Represented CSS at parent meetings and prospective student panels involving hundreds of participants

**AmazonNext Scholar** | *Amazon* *May 2023 - Aug 2023*

- Participated in exclusive in-person events at Amazon's headquarters in Crystal City, Arlington, Virginia, gaining a unique perspective on the tech industry and its leaders while networking with industry professionals
- Engaged in rigorous interview practice sessions, learning and applying effective strategies for problem-solving and communication in a high-pressure environment to excel in technical interviews

**Computer Science Tutor** | *College Success Scholars Program (CSS)* *Aug 2022 - Dec 2022*

- Assisted incoming Computer Science students with concepts and logistics behind Java programming using personalized teaching techniques to ensure that each recipient had a good understanding of the given subject

## PROJECTS

**College Success Scholars Program Database** | *JavaScript & Google Sheets* *Jul 2022 - Present*

- Developed back-end data structure for CSS program, enabling efficient viewing of tutoring, traffic data, and analytics through search algorithms, queries, and data structures. Led front-end management for CSS members, facilitating their access to weekly participation analytics.

**FindMyRoom App** | *Python* *Jun 2023 - Present*

- Implemented a UMD room finder application that optimizes navigation by utilizing shortest-path algorithms. This solution calculates and presents the shortest path between two rooms within a designated building.

**Document Interface** | *C* *Oct 2022*

- Tasked with creating an interface for a user to input/remove, manipulate, and perform other operations on paragraphs of text in the terminal using pointers, structures, file I/O, and main function arguments.