

Nyaradzo Valery Mararanje

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EDUCATION

University of Rochester

Rochester, New York

Bachelor of Science in Computer Science

Anticipated Graduation: May 2026

- Minor in Business
- 3.75 cumulative GPA, Dean's List
- **Relevant Courses:** Data Structures and Algorithms, Discrete Mathematics, Logic Design, Web Development, Mobile Application Development, Computation and Formal Systems

SKILLS

- **Programming Languages:** Java, Python C, C++, R, HTML, CSS, JavaScript, Swift
- **Tools:** Sublime Text, Xcode, Jira, Echo360, Visual Studio Code, Canva, Figma, Replit, R Markdown

WORK EXPERIENCE

Simon Business School

Rochester, New York

Computing Consultant

May 2024

- Resolved VPN connectivity issues by troubleshooting and providing comprehensive technical support and diagnosis.
- Ensured secure access to sensitive systems and maintained data integrity by implementing user authentication processes utilizing DUO security.
- Enhanced user experience by resolving and managing back-end email queries within the school's Active Directory using Jira ticketing system.

PROJECTS

Study Space App

May 2024

- Designed and developed an iOS app using Swift and SwiftUI, enabling students to book library spaces.
- Employed and integrated University API to fetch and display real-time data on room availability, optimizing booking efficiency.
- Utilized Node.js and Express for robust server-side operations, ensuring smooth API and server communications.

Encryption Software Project

March 2024

- Developed a Java Program implementing a symmetric-key encryption algorithm, enabling encryption and decryption of text files utilizing a custom-designed cipher.
- Designed and implemented custom methods for bit manipulation, input splitting, key scheduling, S-Box substitution, and permutations, ensuring optimized and accurate encryption and decryption processes for security software.

Jane Street Strategy and Product

February 2024

- Led comprehensive research to evaluate viability of Jane Street becoming an Authorized Participant for select ETFs, assessing market trends, regulatory requirements, and potential benefits.
- Collaborated with colleagues from Jane Street Strategy and Product as part of the INFOCUS Program, conducting in-depth user interviews and gathering insightful feedback, informing strategic decisions.

Advocacy Project

April 2023

- Conceptualized and successfully launched a dynamic website dedicated to raising awareness on street children in Africa.
- Developed technical proficiency in front-end web development skills, including HTML, CSS, and JavaScript.
- Increased organic traffic to the website by 10% by developing familiarity with SEO principles, optimization techniques.

CAMPUS LEADERSHIP

Statistics Teaching Assistant

April 2024- Present

- Facilitated and organized weekly workshops and tutored introductory level statistics and helped students use R and R Markdown statistical tools resulting in increased in class participation.

NSBE Academic Excellence Chair

April 2024- Present

- Organized series of bi-weekly tutoring sessions and academic competitions, promoting intellectual prowess and camaraderie.
- Created study pack to support fellow members, inspiring academic excellence, and a culture of achievement amongst members.