

A'Yanna Rouse

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Education

Boston University College of Arts and Science

Boston, MA

Bachelor of Arts Computer Science & African American and Black Diaspora Studies, GPA: 3.35

May 2025

Awards: International Baccalaureate Diploma, Dean's List

Coursework: Python, Discrete Math, Calculus, Data Structures & Algorithms, Computer Systems, Probability & Statistics, Software Engineering, Intro to Machine Learning, Web Development, Data Analysis

Technical Skills

Programming Skills: Shell Scripting, CSS, HTML, JavaScript, Java, Python, C#, SQL

Frameworks/Libraries: Django, Express.js, MongoDB, Mongoose, React, RESTful APIs, Node.js, Pandas, NumPy

Programming Software/Tools: Adobe CC, Anaconda, Azure, Figma, Google Workspace, Google Cloud Platform, Git, Glitch, GitHub, GitLab, Jupyter Notebook, Linux, Microsoft Office, Power Bi, Tableau, Unity, Visual Studio, WordPress

Technical Projects

- [Connect Four](#): Engineered a Connect Four game featuring AI opponents that anticipate optimal moves, demonstrating proficiency in Python programming for cybersecurity applications.
- [Phisherman's Quest](#): Developed and launched a Unity game, educating 100+ users on phishing threats; demonstrated advanced game development skills and enhanced security awareness.
- [Travel Memory Journal](#): Led design and implementation of a React-based platform for travel journaling, enabling users to chronicle and reflect on their travels securely.

Work Experience

BU Undergraduate Research Opportunity Program

Boston, MA

Student Research Assistant

June 2024 – Present

- Engineered and led a digital engagement campaign using Minecraft, increasing awareness of Africana Diaspora Religions by 35% within 3 months.
- Streamlined research methodologies, enhancing data collection efficiency and improving project timelines by 20%.
- Received faculty commendation for innovative approaches in integrating technology with humanities research.

RSM US LLP

Minneapolis, MN

Information Technology Intern

June 2023 – Aug 2023

- Contributed to the IT digital strategy team, analyzing data to forecast 12-month spending across licensing categories.
- Overhauled interactive dashboards on Excel for Microsoft 365, Azure, and Dynamics, projecting a 7% spending rise.
- Directed insights to the IT team, highlighting efficient spending strategies and licensing cost optimizations, resulting in a 20% reduction in annual software expenses.

Boston University Wheelock College of Education

Boston, MA

Senior Administrative Technology Specialist

Oct 2021 – May 2022

- Managed event reservations for 114 faculty/staff members and 100+ instructional materials using Google Workspace.
- Delivered on-site technical support to more than 50 faculty and students, resulting in a 20% increase in satisfaction.
- Handled daily 20+ inquiries, ensuring seamless service request transitions through technological solution.

Leadership and Professional Development

Management Leadership for Tomorrow (MLT)

Boston, MA

Career Preparation Fellow

March 2023 – Present

- Accepted into a selective 18-month professional development program for high-achieving, diverse talent.
- Completed business case studies and assignments, enhancing leadership and technical skills, and achieving top marks in 90% of projects.
- Attended conferences hosted by 50+ industry leaders like Deloitte, LinkedIn, and Dell.

Girls Who Code (GWC)

New York, NY

Leadership Academy Fellow

August 2023 – Dec 2023

- Completed a 4-month leadership development and career readiness program with senior leaders and engineers at RTX.
- Computed a Unity game, educating over 100 users on phishing threats and enhancing security awareness.

America On Tech (AOT) and NBCUniversal

Boston, MA

Cybersecurity Fellow

March 2023 - May 2023

- Learned real-world cybersecurity practices from 10 NBCU cyber experts in areas such as Linux.
- Conducted an NBCU Media Tech Tabletop Exercise, identifying and mitigating 15 potential cyber threats.