

A'Yanna Rouse

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Education

Boston University

Bachelor of Arts Computer Science & African American and Black Diaspora Studies

Boston, MA

May 2025

Affiliations:

- Rewriting the Code • ColorStack • Girls Who Code • America On Tech • MLT • NSBE • Reboot Representation • CodePath
- Project Glimmer • AnitaB.org • WiCys • HeadStarter AI • Women in Cloud

Technical Skills

Languages & Softwares: Python, Java, JavaScript, Typescript, Shell Scripting (Python, Bash), OCaml, SQL, C#

Frameworks & Libraries: Django, Express.js, Firebase, Mongoose, React, RESTful APIs, Next.js, Pandas, NumPy

Tools & Platforms: Google Cloud Platform, Git, Figma, Linux, Microsoft Office Suite, MongoDB, Power BI, Tableau

Certifications

[Google Cybersecurity Professional Certificate – Coursera \(June 2025\)](#) • Certificate ID: 6NLAV8ANQHCO

Experience

IT Help Desk Technician

Boston University Metropolitan College

Boston, MA

Sep 2024 – May 2025

- Provided technical and operational assistance to **500+ faculty, staff, and students** across the Metropolitan college.
- Resolved **20+ technical issues monthly**, collaborating with stakeholders to prioritize urgent needs and satisfaction.
- Managed **50+ service requests monthly** via ServiceNow, prioritizing and tracking tickets for efficient resolution.

Undergraduate Research Assistant

Boston University Undergraduate Research Opportunity Program

Boston, MA

June 2024 – Aug 2024

- Developed a digital campaign in Minecraft to increase awareness of African Diasporic Religions **within 3 months**.
- Collected user feedback and condensed complex religious practices into in-game narratives and educational dialogue.
- Improved **workflow efficiency by 20%** through refined qualitative research and content development processes.

Information Technology Intern

RSM US LLP

Minneapolis, MN

June 2023 – Aug 2023

- Conducted IT spend analysis and forecasted **12-month budget projections**, supporting strategic resource planning.
- Designed and presented interactive dashboards in Excel to visualize a **projected 7% rise** in IT spending.
- Identified cost optimization opportunities and compliance risks within Microsoft products to cross-functional teams.

Senior Administrative Technology Specialist

Boston University Wheelock College of Education

Boston, MA

Oct 2021 – May 2022

- Managed reservations for **114 faculty and staff** and **100+ instructional materials**, improving resource utilization.
- Delivered on-site technical support to **50+ faculty and students**, resulting in a **20% increase in satisfaction**.
- Handled **20+ inquiries daily**, ensuring service requests and events transitions through technological solutions.

Technical Projects

[AfriReligions AI](#) | Typescript, React, AWS EC2, PostgreSQL, Gemini, Material-UI

August 2024

- Engineered a Gemini-powered chatbot interface for Santería education, **achieving 90% user satisfaction**.
- Deployed a responsive landing page using React, achieving **10 initial user sign-ups within the first week of launch**.

[Phisherman's Quest](#) | Unity, C#

August 2023 - December 2023

- Programmed and deployed a Unity game that educated **100+ users** about phishing threats **in the first month**.
- Integrated advanced Unity features, such as **C# scripting** and **2D development**, to create an engaging user experience.

[Time Memory Journal](#) | React, MongoDB, Express.js, Node.js, Mongoose, JWT

December 2023

- Developed a **full-stack** travel journal web app in a team of 4 with **React** and **MongoDB** using **Express.js** and **Node.js**.
- Built a **RESTful API** with **Mongoose** for CRUD operations, user authentication (JWT), and trip data retrieval.

Leadership and Professional Development

Microsoft

Microsoft Excel Student Ambassador

Remote

August 2024 – May 2025

- Led **2+ Excel workshops** for students, focusing on beginner and advanced MECC sessions & Python in Excel.
- Created **3+ innovative learning materials monthly** to enhance Excel proficiency and student engagement.
- Host **two weekly office hours**, providing **4 hours** of support on formulas, data visualization, Python, and Copilot.

America On Tech (AOT)

Data Science Fellow

Boston, MA

May 2022 - June 2022

- Collaborated with **20 peers** over **6 weeks** to explore Data Science topics like Data Visualization and Machine Learning.
- Utilized **Python** and libraries like **Pandas**, **NumPy**, and **Seaborn** to analyze and visualize complex datasets.