

Tahira Smith

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Education

Boston University College of Engineering– B.S. in Computer Engineering, ML Concentration

May 2027

Relevant Coursework: Data Structures and Algorithms, Introduction to Machine Learning, Reinforcement Learning, Deep Learning, Cloud Computing

Experience

Student Admissions Representative, *Boston University Admissions – Boston, MA*

05/2024 – Present

- Led group tours of up to 30 prospective students and families, providing in-depth information about the campus, programs, and student life.
- Delivered engaging information sessions to audiences of up to 150 people, effectively communicating key aspects of the university's offerings and answering questions.
- Developed strong public speaking, leadership, and interpersonal communication skills while working in a fast-paced and dynamic environment.

Office Assistant, Boston University Engineering Undergraduate Office – Boston, MA

01/2024 – Present

- Managed office tasks such as scheduling, filing, and data entry, ensuring smooth daily operations.
- Organized and maintained office supplies and equipment, improving overall office efficiency.
- Developed strong attention to detail and time management skills while handling multiple tasks.

Projects

Assistive Kitchen Slicer

09/2024

- Collaborated in a team to design and build an assistive kitchen slicer aimed at improving accessibility for users with physical disabilities.
- Gained hands-on experience with hardware/software integration, 3D modeling, and mechanical assembly while collaborating closely with team members to meet project goals.
- Utilized SolidWorks to design the mechanical components, producing detailed CAD models for 3D printing and assembly.

Cookie Clicker Imitation Web-based Game

11/2024

- Developed an interactive incremental game inspired by Cookie Clicker using Node.js for the backend.
- Optimized the game loop and click event handling to enhance performance and prevent lag
- Deployed the project using GitLab, making it accessible to users online.

Car Crash Prediction in Boston

10/2023

- Used python and the pandas library to analyze Boston car crash data, identifying trends and factors contributing to accident frequency
- Applied data cleaning, exploratory data analysis, and visualization techniques to extract actionable insights
- Developed predictive insights that could inform city planning or safety improvements
- Visualized crash patterns using matplotlib, turning raw data into intuitive charts to highlight high risk areas and behaviors

Skills

Programming Languages: C++, Python, JavaScript, Matlab

Data Analysis Tools: Excel, Pandas, NumPy, Matplotlib

Hardware Languages: Verilog, VHDL

Tools: SolidWorks, OnShape, Logism, Microsoft Office