Terell Johnson

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EDUCATION

Tufts University   **Medford, MA**
Bachelor of Science in Computer Science   *Expected May 2027*
- **Relevant Coursework**: Data Structures and Algorithms | Machine Structure & Assembly Language Programming | Introduction to Machine Learning and Data Mining | Artificial Intelligence | Linear Algebra | Calculus (I-III) | Discrete Mathematics
- **Awards**: Outstanding Work in Technology | Website Manager Award | Overall Excellence Award | Best Podcast Award

SKILLS & ACTIVITIES

Skills: C/C++ | Python(Scikit learn, PyMC, NumPy, Pandas, Matplotlib, Flask) | Java | Machine Learning | Data Engineering | Front-end Development (HTML, CSS, Javascript, Svelte, React) | Node.js | Express.js | MongoDB
Activities: National Society of Black Engineers (NSBE) | Black Men's Group | Caribbean Student Organization

RELEVANT EXPERIENCE

NASA Jet Propulsion Laboratory   **La Canada Flintridge, California**
Software Engineering Intern   *May 2025 - Present*
- Led the development of mission control software for NASA's Deep Space Network, boosting operational efficiency for 40+ spacecraft and cutting manual engineering workload
- Automated critical mission configuration file generation using Python and JavaScript, streamlining workflow and reducing errors
- Built a full-stack architecture with RESTful Node.js APIs and a reactive frontend using Svelte and Sveltestrap

JumboHack   **Medford, MA**
Technical Lead   *February 2025 - February 2025*
- Led a team at the JumboHack hackathon to develop a mobile application for the Tufts University gym, enabling users to find gym partners, access AI-generated workouts, and view real-time gym occupancy.
- Developed a responsive and user-friendly frontend interface, utilizing HTML, CSS, and JavaScript to provide seamless navigation to gym partner matching, AI workout generation, and gym occupancy data.
- Engineered the application's backend infrastructure leveraging Python/Flask, and MySQL to manage user data, process AI workout requests, and integrate real-time gym occupancy data.

Tufts University   **Medford, MA**
Access to Computing Equity (ACE++ Scholar)   *May 2024 - August 2024*
- Leveraged basic machine learning utilizing Bayesian Statistics with PyMC to assess the probability of being misinformed about stock market investing among 300 students at Tufts University.
- Gained a comprehensive understanding of fundamental data structures, algorithms, and foundational concepts of Discrete Mathematics.

New York Kings County Supreme Court   **Brooklyn, NY**
Information Technology Intern   *July 2023 - August 2023*
- Installed new video and audio recording software in fifteen courtrooms to provide an improved experience for individuals attending court through Zoom.
- Upgraded desktop systems, efficiently troubleshooting technical issues with computers and printers for court personnel.

LEADERSHIP & PROFESSIONAL DEVELOPMENT

Management Leadership for Tomorrow   *March 2025 - Present*
Career Prep Fellow
- Accepted into a competitive 18-month professional development program for high-achieving diverse talent
- Complete business case studies and assignments to grow leadership and technical skills
- Attend conferences hosted by industry leaders such as Deloitte, LinkedIn, and Target

St Paul's School   *April 2021 - May 2023*
LinC Leader
LinC is a class taken by freshmen and sophomores where they engage in conversations about controversial topics such as race or gender. They discuss how to live in a community and how to react to conflicts within our community.
- Organized three days of the LinC curriculum a year, in which the entire student body engaged in discussions on heavily debated topics.
- Facilitated twelve-student discussion groups three times a week, ensuring everyone had a safe space to voice their opinions.