Keira James

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EDUCATION

Brooklyn College, City University of New York (CUNY)   Brooklyn, NY
Bachelor of Science in Computer Science | Minor in Data Science   Expected December 2025

SKILLS

Programming: Python, Java, HTML, CSS, Javascript, Coldfusion, SQL, PowerShell
Technologies: Git/GitHub/GitLab, Linux/Unix/Windows, Docker, Node.js, React, TypeScript, AWS

RECENT PROJECTS

Plant Buddy | github.com/KeiraJames/Plant-Buddy   Feb 2025-May 2025
- In a team of 4, designed a plant care system that monitored watering schedules, sunlight, and growth progress, helping users maintain healthier plants and reduce maintenance errors.
- Implemented the system using Python, Streamlit, MongoDB, the Planet Net API, a Raspberry Pi–powered moisture sensor, and a chatbot, delivering real-time soil readings and personalized guidance to make plant care data-driven and user-friendly.

Discerning between Real and AI-Generated Images | github.com/KeiraJames/CTP-Project-2024   Sep 2024 – Dec 2024
- Designed a machine learning model in a team of 3 to classify images as real or AI-generated, enhancing the ability to detect synthetic media and its implications in various fields.
- Implemented CNNs, utilizing Python and libraries such as TensorFlow, Keras, Numpy, and Pandas to build and train the model, aiming to improve accuracy and reliability in distinguishing between real and AI-generated images, which contributed to a deeper understanding of AI's impact on media authenticity.

PROFESSIONAL EXPERIENCE

Web Services Intern | Office of New York State Comptroller   May 2025 – Present
- Worked under a senior developer to design and implement a content management system for 300 users using HTML, CSS, JavaScript, ColdFusion, and Microsoft SQL Server, enabling units to manage and update content independently via an Active Directory–authenticated GUI, improving content accuracy and workflow efficiency.
- Maintained, updated, and fulfilled web requests for the Intranet and Internet content for the LGSA division daily through Joomla and Drupal CMS, ensuring up to date resources across the division and improving information accuracy and accessibility for staff.
- Developed PowerShell deployment scripts to safely push updates across branches, replacing a flawed process that deleted dependencies and required manual restoration; reduced errors and manual intervention while ensuring consistent, reliable deployments.
- Refactored legacy applications for ADA compliance, enhancing accessibility using semantic HTML and ARIA attributes in alignment with WCAG 2.1 and ADA standards; tested with NVDA, WAVE, and IBM Accessibility Checker to ensure inclusive access for all users.
- Built and automated a web development ticketing system using Power Automate and Microsoft 365, streamlining request tracking, improving version control, and reducing task turnaround time by 18%.

Data Science Fellow | CUNY Tech Prep   Jul 2024 – May 2025
- Applied machine learning algorithms, including neural networks, regression, classification, and clustering, to extract actionable insights from real-world data, driving informed analytical strategies.
- Learned from mentors with experience in Meta and other companies to refine data analysis skills and gain hands-on experience with Git for version control and collaborative coding practices, improving teamwork and project efficiency.
- Participated in workshops on data ethics, industry trends, and job readiness, advancing technical knowledge and professional development to better prepare for a career in data science.
- Designed interactive Tableau dashboards to effectively communicate findings to both technical and non-technical audiences.

RELEVANT EXPERIENCE

Administrative Assistant| Brooklyn College Alumni Association   Aug 2024 - May 2025
- Managed alumni records using Blackbaud database by searching for existing alumni, updating personal information, and adding new entries to ensure data accuracy and enhance outreach efforts.
- Helped organize alumni reunions by searching yearbook-listed students in the Blackbaud database and using Microsoft Excel to verify class accuracy, deceased status, or missing records, to ensure that all alumni are notified about the event.
- Assisted in organizing alumni 2 events and executive board meetings by coordinating invitations, RSVPs, and logistical arrangements, contributing to seamless event execution and increased participation amongst designated parties.