

Devon Wallerson

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Education & Skills

New Jersey Institute of Technology - *Albert Dorman Honors College*

Expected Graduation: May 2026

- Computer Science, B.S. | GPA : 3.73 | Accredited Junior | Dean's List Scholar
 - Recipient of the *NJIT Honors Full Ride Scholarship* and the *NJIT Excellence Need-Based Scholarship*
 - Relevant Coursework: Data Structures, Information Systems, Data Science, Operating Systems, Java
 - Skills: Java | C++ | SQL | PHP | Python | Sci-Kit Learn | Pandas | HTML/CSS | JavaScript | JQuery | React.js | Git
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Experience

Technology Summer Analyst - *Morgan Stanley*

June 2024 - August 2024

- Incoming Technology Summer Analyst Intern on the Application Development Track.

Black and Hispanic Tech Summit - *Capital One*

January 2024

- **One of 42** selected to attend Capital One's Software Engineering Summit. Developed a stock simulation platform using HTML/CSS and JavaScript to promote minority engagement with the stock market.
 - Integrated Python, Tiingo API, and Flask for real-time stock operations, ensuring a seamless user experience. Utilized Pandas for data manipulation and Matplotlib for visualizing stock trends, facilitating informed trading decisions in a simulated environment. Placed **second** in Summit Hackathon.
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Leadership & Professional Development

Software Engineering Career Prep - *Management Leadership for Tomorrow (MLT)*

February 2024 - Present

- Accepted into a selective 18-month professional development program for high-achieving diverse talent
- Complete business case studies and assignments to grow leadership and technical skills

Public Relations Chairperson - *NJIT National Society of Black Engineers*

January 2024 - Present

- **Lead Web Developer** for NJIT NSBE's Chapter website using HTML/CSS, JavaScript, and Google Sites.
- Maintained effective communication between NSBE and other campus organizations for effective collaboration.

Computer Science Major Representative - *NJIT Student Senate*

October 2023 - Present

- Implemented a semesterly newsletter focused on enhancing career prospects for Computer Science students at NJIT, resulting in a **32%** improvement in **Student Senate approval** among Computer Science students.

Teaching Assistant - *Albert Dorman Honors College*

June 2023 - December 2023

- Led **orientation events**, **professional workshops**, and **weekly lectures** to guide 30 first-year students with transitioning and navigating through campus and student life.
 - Oversaw a semifinalist biodiversity research proposal aimed at enhancing ecological diversity on campus.
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Projects

House of Health Database Portal (HTML/CSS, JavaScript, SQL, & PHP)

December 2023

- Developed a healthcare database interface, crafting an HTML/CSS and JavaScript frontend connected to a PHP-based backend that executes complex SQL queries. Enhanced user experience by creating intuitive navigation and data presentation, significantly improving usability for office staff in managing records.

WeChat (HTML/CSS, JavaScript, SQL, & PHP)

December 2023

- Developed a responsive Simple PHP/SQL Web Chat Application, utilizing HTML/CSS, JavaScript, jQuery, and AJAX for real-time messaging, user input validation, and dynamic content updates.
- Engineered backend logic in PHP and managed data storage with SQL, implementing features like periodic user list updates and chat message retrieval, while ensuring cross-browser compatibility.

Predicting Home Sale Prices with Machine Learning (Python, Pandas, & SciKit-Learn)

July 2023

- Analyzed NYC public home sale datasets with Pandas to predict home sale prices, applying data visualization for model insights. Implemented a Random Forest Classifier with SciKit-Learn, demonstrating a 60% accuracy despite COVID-related market unpredictability.