

# 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 : 3.7 | 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, Discrete Math
  - **Skills :** Java | SQL | PHP | Python | Sci-Kit Learn | Pandas | HTML/CSS | JavaScript | JQuery | React.js | Angular | Git | Figma
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## Experience

### Morgan Stanley - Software Engineering Intern

June 2024 - August 2024

- Upcoming experience with Morgan Stanley, where I will join the Institutional Securities Technology department and construct a dashboard for customers to improve data visualization, access, and conciseness using technologies including AngularJs, SpringBoot, and Java.

### Capital One - Software Engineering Summiteer

January 2024

- One of 42 selected for Capital One's Software Engineering Summit; employed project management to lead a team of four to develop a stock simulation web app to destigmatize investing for minority communities.
  - Integrated Flask Framework, Tiingo API, and AWS for real-time stock operations; used Pandas for data manipulation and Matplotlib for stock trend visualization. Placed second in Summit Hackathon.
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## Leadership & Professional Development

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

February 2024 - Present

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

### NJIT National Society of Black Engineers (NSBE) - *Public Relations Chairperson*

January 2024 - May 2024

- 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.

### NJIT Student Senate - *Computer Science Major Representative*

October 2023 - May 2024

- 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.

### NJIT Albert Dorman Honors College - *First Year Teaching Assistant*

June 2023 - December 2023

- Led orientation events, professional workshops, and weekly lectures to guide 30 first-year students into their transition to collegiate life at NJIT.
  - Oversaw a semifinalist biodiversity research proposal aimed at enhancing ecological diversity on campus.
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## Projects

### Apple Music Library Web Analysis (ReactJs, MusicKit, Apple Music API, Styled-Components)

- Developed a web application that analyzes users' Apple Music Library by querying all songs and important playlists from their library.
- Implemented features including song statistics, Replay Year analysis, and mix categorization with visual badges.
- Enhanced user experience with real-time data fetching and caching mechanism to improve response time.

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

- 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

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

- 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.