

# CARY HO

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## EDUCATION

### New York University, College of Arts & Sciences

*Bachelor of Arts in Computer Science and Data Science*

New York, NY

*Expected May 2026*

- **Cumulative GPA:** 3.852/4.00; **SAT:** 1480/1600 (R: 680/800; M: 800/800)
- **Relevant Courses:** Data Structures, Computer Systems Organization, Basic Algorithms, Applied Internet Technology, Discrete Mathematics, Linear Algebra, Probability and Statistics, Parallel Computing, Principles of Data Science, Causal Inference, Fundamentals of Machine Learning, Responsible Data Science

## PROFESSIONAL EXPERIENCE

### Premium Technology Inc

*Software Developer Intern*

Jersey City, NJ

*Jun 2024 – Jul 2024*

- Developed a secure file transfer system with user and group rights-based authorization using Spring Boot, Vue, and PostgreSQL.
- Created a login API with 2FA using email-based OTP, enabling secure authentication with a customizable password policy.
- Implemented an audit log to track user activities and collaborated with the UI/UX team to ensure a user-friendly experience for tasks like browsing, uploading and downloading files.

### Mobileware

*Clean Energy Intern*

Stony Brook, NY

*Jul 2023 – Aug 2023*

- Assisted in the development and refinement of a carpool and EV charging application using Node.js, Express, and MongoDB.
- Collaborated with the development team to identify and resolve any technical issues or bugs.
- Conducted unit tests to ensure proper API functionality.

*Research Assistant Intern*

*July 2022 – Aug 2022*

- Developed the backend for a carpooling app to boost transportation options for college students.
- Reviewed and debugged code to validate structures and functions.
- Added error handling for server side and user input issues.

### Leap Education Services

*SAT Math Tutor*

New York, NY

*Jul 2021 – Sep 2021*

- Reviewed past practice SAT math problems with students.
- Provided test taking strategies to improve time management for common problems.
- Added tips on how to efficiently check over answers.

## PROJECTS

### ToDoAI (<https://todoai-ttv4.onrender.com>)

- Developed a full stack MERN to do list application featuring drag and drop functionality for calendar events and reordering of to-dos and lists.
- Implemented user authentication and authorization to ensure secure access to personal to do lists.
- Integrated LangChain with Google Gemini to create a conversational AI chat box, enabling users to manage to-dos with natural language commands.

### Music Genre Classification Model

- Built a music genre classification model using a Random Forest classifier with PCA for dimensionality reduction and stratified train-test splits.
- Performed data cleaning and preprocessing on a large music dataset, including handling missing values via median imputation, one-hot encoding categorical features, and feature normalization.
- Conducted exploratory data analysis and visualizations, including clustering with k-means and PCA scatterplots, to uncover structure in the data and support model interpretability.

## SKILLS AND INTERESTS

**Technical:** Java, Javascript, Python, MongoDB, Express, React, Node.js, HTML/CSS, Spring Boot, PostgreSQL, Vue

**Interests:** Tennis, Table Tennis, Pickleball, Minecraft, Overwatch, Poker