

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:** 3.857/4.00; **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

- Designed backend features for a carpooling and EV charging application using Node.js, Express, and MongoDB.
- Implemented route planning with integrated EV charging station detection along the designated path, enhancing trip efficiency and real-time convenience for drivers.
- Tested API endpoints through unit tests to ensure reliability, proper input validation, and consistent performance.

Research Assistant Intern

July 2022 – Aug 2022

- Developed the backend for a carpooling application aimed at increasing transportation accessibility for college students.
- Reviewed and debugged backend code to ensure functionality, code quality, and accurate data models.
- Implemented robust error handling on the server side to manage unexpected errors and validate user input.

Leap Education Services

SAT Math Tutor

New York, NY

Jul 2021 – Sep 2021

- Conducted one-on-one tutoring sessions to review SAT Math questions students had difficulty with.
- Introduced test-taking strategies to improve time management, reduce errors, and approach multiple-choice questions more efficiently.
- Shared personalized techniques for checking answers systematically, helping students catch common mistakes.

PROJECTS

MatchPoint (<https://matchpoint-y241.onrender.com>)

- Developed a full stack PERN tennis match prediction platform delivering real-time match predictions, model results, and player rankings.
- Built a FastAPI microservice to deploy machine learning models using XGBoost for tennis match predictions, leveraging player rankings, points, and odds.
- Implemented automated cron jobs to ingest and update live tournaments, matches, and player data from external APIs, ensuring timely and reliable analytics.

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

- Built 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.

SKILLS AND INTERESTS

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

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