

CARY HO

Great Neck, NY | (917) 599-6311 | caryho1028@gmail.com | <https://cakeofthepans.github.io>

EDUCATION

New York University (NYU)

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

- Engineered a secure file transfer system with user/group-based authorization using Spring Boot, Vue, and PostgreSQL.
- Implemented a login API with two-factor authentication and customizable password policies to enhance security.
- Partnered with the UI/UX team to deliver an intuitive interface for browsing, uploading, and downloading files.

Mobileware

Clean Energy Intern

Stony Brook, NY

Jul 2023 – Aug 2023

- Built backend features for a carpooling and EV charging application using Node.js, Express, and MongoDB.
- Developed route planning logic with real-time EV charging station detection to improve driver efficiency.
- Wrote unit tests and enforced input validation for reliable, secure, and maintainable APIs.

Research Assistant Intern

Jul 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 - AI-Powered Tennis Match Predictor

Jun 2025 – Jul 2025

- Developed a full stack PERN tennis match prediction platform delivering real-time match predictions and analytics to help tennis enthusiasts forecast match outcomes.
- Created a FastAPI microservice to deploy machine learning models using XGBoost for tennis match predictions, leveraging player rankings, points, and odds.
- Built a responsive UI and implemented automated data refresh using cron jobs to pull live tournament data.

ToDoAI – Conversational Task Planner with AI Integration

Jul 2024 – Aug 2024

- Designed a full-stack MERN to-do list application to help users manage tasks more intuitively through AI-powered natural language commands, calendar integration, and real-time task reordering.
- Implemented user authentication and authorization to ensure secure access to personal to-do lists.
- Integrated LangChain with Google Gemini to enable text-based natural language task creation, modification, and deletion.

TECHNICAL SKILLS

Languages: Java, Javascript, Python, HTML, CSS

Frontend: React, Vue.js, Tailwind CSS, Redux

Backend: Node.js, Express, Spring Boot, FastAPI, RESTful APIs

Database: MongoDB, PostgreSQL

Data Science: Pandas, NumPy, Scikit-learn, TensorFlow, Matplotlib

Dev Tools: Cursor, VSCode, Git, Github, Cron Jobs, Postman, Jupyter Notebook