John Ng

301-500-8388 | jng0511@umd.edu | https://github.com/JohnN05 | https://www.linkedin.com/in/johnjng

EDUCATION

University of Maryland, College Park (3.92 / 4.00 GPA)   Expected May 2026

B.S. Computer Science, General Track

Select Coursework: Computer Systems, Discrete Structures, OOP, Algorithms, Data Structures, Data Science

PROJECTS

Stock Simulator | *Python, Flask, SQL, React.JS, HTML/CSS*   December 2024

- Collaborated with a teammate to develop a web-based stock market simulator using Python Flask and yFinance, allowing users to trade with virtual money and real-time market data.
- Designed a SQLite-backed system to manage user accounts, portfolios, and historical performance tracking across multiple dates.

Terp Rater | *JavaScript, HTML/CSS*   August 2024

- Developed a Chrome extension using JavaScript to enhance UMD's course directory by integrating additional insights for nearly all courses, including GPA and seat availability, to streamline the course registration process.
- Leveraged UMD's Schedule of Classes and PlanetTerp's API to dynamically fetch and display up-to-date information on course ratings, instructor reviews, and available seats.

UMD Course Graph | *Java, GraphStream, Google Gson*   December 2023

- Developed a Java-based system that integrated web scraping and API calls to collect and format UMD course data into a structured, analyzable format.
- Implemented a graph data structure using GraphStream to model course relationships, with over 2000 nodes representing courses and edges denoting prerequisites, corequisites, and other dependencies.

EXPERIENCE

Auxiliary Officer, Chinese Student Association (CSA)   September 2024 - Present

- Served on the Food Committee for the Lunar Banquet, coordinating menu selection and ensuring smooth meal service for over 400 attendees
- Assisted in planning and promoting events such as Chinatown Café, Lunar Banquet, etc.

Facilitator, Nobel Explorers   February 2022 – September 2022

- Managed the rollout of a technology education initiative to Ukraine and Taiwan.
- Taught 3 cohorts of 20+ international students covering machine learning, computer vision, and internet connectivity basics.

SKILLS & CERTIFICATIONS

Programming: Java, Python, React.JS, JavaScript, HTML/CSS, C, Git, SQL, Flask

Certifications: Meta Front-End Developer