

John Ng

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EDUCATION

University of Maryland (3.89 / 4.00 GPA)

College Park, MD

B.S. Computer Science, General Track

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

PROJECTS

Terp Rater | *JavaScript, HTML/CSS*

August 2024

- Developed a Chrome extension using JavaScript to enhance UMD's course directory by integrating additional insights, 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.
- Implemented asynchronous data handling, DOM manipulation, and custom tags to provide users with real-time, context-aware details directly within the course listings.

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 nodes representing courses and edges denoting prerequisites, corequisites, and other dependencies.
- Utilized Google Gson for efficient JSON serialization and deserialization, facilitating seamless data exchange between APIs and the application.

CERTIFICATIONS

Supervised Machine Learning: Regression & Classification

August 2024

- Built machine learning models in Python for prediction and binary classification tasks, including linear regression and logistic regression.

Meta Front-End Developer Certificate

May 2024 – August 2024

- Built responsive websites using HTML, CSS, JavaScript, and React, with training in GitHub version control and coding interview preparation.

WORK EXPERIENCE

Nobel Explorers

February 2022 – September 2022

Facilitator

- 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

Technology: Java, Python, React.JS, JavaScript, HTML/CSS, OOP, C, Web Scraping