

Aidyn Wang

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About Me

A highly motivated and detail-oriented Computer Science senior at New York University seeking a challenging position in the field of computer science. Eager to leverage academic knowledge, programming skills, and innovative thinking to contribute to a dynamic team and tackle real-world problems.

Education

New York University, Tandon School of Engineering

Bachelor of Science, Computer Science

Minor in Cybersecurity

New York, NY

Expected Grad: May 2024

Projects

GitFront is utilized to showcase academic projects and prevent plagiarism.

Pantry Buddy: Full-stack application with team of four. Full deployment set for May 2024

- Aim to develop system that aims to curb food waste and foster sustainable consumption habits by allowing individuals to keep track and receive reminders of grocery items' expiration dates
- Implementing camera recognition to enable users to input grocery items via UPC/EAN product barcodes, utilizing data scraping techniques to estimate product expiration dates, employing data analytics to generate an aggregate score reflecting both nutritional quality and environmental impact of users' entire pantry, and maintaining a database of user information
- Constructed industry-standard documentation detailing solution development planning and validation and verification methodologies [System Requirements Specification](#) [Software Project Management Plan](#)

Portfolio Website: Written in HTML, CSS, JavaScript. In progress

- Executed front-end development, user experience design, and responsive web design
- Demonstrates interactivity and responsiveness to user input as well as user consideration in dynamic resizing and navigability <https://amlwang231.github.io/>

Cache and Pipeline Simulators: XCode Projects written in C++

- Created Cache Simulator, which emulates data transmission and modification between a computer and memory storage, showcasing the operations and functionality of a cache system <https://gitfront.io/r/amlwang231/nTzrKgQAgkT6/Cache-Simulator/>
- Created Pipeline Simulator, which emulates the processing of machine language instructions within a pipeline, illustrating execution through the manipulation of register and main memory values <https://gitfront.io/r/amlwang231/SLohDmEySJNN/Pipeline-Simulator/>

Fight: XCode Project written in C++

- Created test-based game that depicts Nobles commanding armies composed of multiple warrior types
- Leveraged Object-Oriented Programming principles: abstraction, encapsulation, polymorphism, and inheritance (for code efficiency and security in adaptable code and controlled access). Classes use copy control for object and memory management <https://gitfront.io/r/amlwang231/Tf3nz9o7tbkX/Fight/>

Additional Information

Programming: C++, Python, HTML, CSS, JavaScript

Relevant Coursework: Computer Networking, Network Security, Computer and Information Security, Software Engineering, Operating Systems, Computer Architecture, Object-Oriented Programming, Data Structures and Algorithms, Information Systems Analysis and Design, Data Analysis, Discrete Mathematics

Work Experience

Starbucks

Barista

Boston, MA and New York, NY

March 2023 — Present

- Demonstrated capability in organization and multitasking between various roles
- Exercised skills including attention to detail, quality control, communication, and team work

New York University

Resident Assistant

New York, NY

May 2021 — December 2022

- Utilized interpersonal and communication skills to establish welcoming and inclusive communities
- Planned and executed initiatives to foster engagement and belonging within communities