

# Aidyn Wang

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## About Me

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Highly motivated Computer Science senior at New York University, driven by a strong desire to embark on a fulfilling journey in the field of computer science. Enthusiastic about embracing new challenges and leveraging academic knowledge, programming skills, and innovative thinking to contribute to dynamic teams solving real-world problems

## Education

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### New York University, Tandon School of Engineering

New York, NY

Bachelor of Science in Computer Science, Minor in Cybersecurity

Expected Grad: May 2024

## Projects

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*GitFront* is utilized to showcase academic projects and prevent plagiarism.

**Pantry Buddy:** With team of four.

[System Requirements Specification](#)

[Software Project Management Plan](#)

- Developing full-stack application aimed at curbing food waste and fostering sustainable consumption habits by allowing individuals to keep track and receive reminders of grocery items and expiration dates
- Leveraging Flutter for user interface and Firebase for backend services including authentication, real-time database, and notifications. Implementing camera recognition to enable users to input grocery items via UPC/EAN/PLU product codes and utilizing data scraping techniques to estimate product expiration dates
- Authored and maintaining comprehensive documentation outlining solution development planning and validation methods, ensuring adherence to industry-standard practices throughout product lifecycle

**Portfolio Website:** Written in HTML, CSS, JavaScript. In development. <https://amlwang231.github.io/>

- Leading front-end development, integrating user-centric design principles to ensure intuitive interfacing
- Showcasing website interactivity and responsiveness to user input, while prioritizing enhanced user experience through seamless navigation and dynamic resizing

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

- Developed Cache Simulator to emulate data transmission and modification between a computer and memory storage, demonstrating the operations and functionalities of a cache system  
<https://gitfront.io/r/amlwang231/nTzrKgQAgkT6/Cache-Simulator/>
- Developed Pipeline Simulator to emulate processing of machine language instructions within a pipeline and 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++. <https://gitfront.io/r/amlwang231/Tf3nz9o7tbkX/Fight/>

- Developed text-based game depicting Nobles commanding armies consisting of multiple warrior types
- Utilized Object-Oriented Programming principles including abstraction, encapsulation, polymorphism, and inheritance to ensure code efficiency, security, and maintainability
- Implemented copy control for effective object and memory management within classes

## Additional Information

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**Programming:** C++, Python, Dart, HTML, CSS

**Relevant Coursework:** Computer Networking, Network Security, Computer and Information Security, Application 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

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### Starbucks

Boston, MA and New York, NY

Barista

March 2023 — Present

- Demonstrated exemplary proficiency in essential skills, such as meticulous attention to detail, rigorous quality control, effective communication, and fostering collaborative teamwork dynamics
- Excelled in managing diverse responsibilities, multitasking across various roles while maintaining organization

### New York University

New York, NY

Resident Assistant

May 2021 — December 2022

- Employed interpersonal and communication skills to cultivate welcoming and inclusive communities
- Spearheading planning and execution of initiatives aimed at fostering engagement and belonging