

ZHIAN MAYSOON

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EDUCATION:

Bachelor of Science in Computer Science

Expected Graduation Date: May 2026

Queens College, City College of New York, Queens, New York

- Relevant Coursework: Object Oriented Programming in Java, Object Oriented Programming in C++, Calculus 1, Calculus 2, Discrete Mathematics, Discrete Structures, Linear Algebra, Computer Organization and Assembly Language, Computer Architecture, Data Structures, Theory of Computation, Data Communications, Operating Systems, Design and Analysis of Algorithms, Internet & Web Technologies, Database Systems
 - QC Honors Scholarship Recipient, Peter F. Vallone Scholarship Recipient, Renee Kroll Zarin Scholarship Recipient
 - Extracurriculars: *The Knight News*, Code.Resolve(), Girls Who Code, CodeForAll
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PROFESSIONAL EXPERIENCE:

Autism Labs Technology Department Research Assistant

February 2025 – Current

- Used MATLAB and R to track and manage Data to help visualize data for infant sleep research
- More coming soon...

Software Developer Intern @ Latte

October 2024 – Current

- Used Kotlin to program native Android app for Latte, implemented vital functions used by students daily, like the end-of-cards view, increasing satisfaction and ease of use by 80% and improved login/signup capabilities to be more seamless, increasing satisfaction by 95%
- Given a return offer for the Spring 2025 semester duration as well as a return offer for the Summer 2025 internship period
- Primarily work on various design implementations and logic for corresponding designs in the Android App. Working with only one other front-end software developer
- Used Firebase to update and maintain and store records of mentor and mentees, and relevant information needed for their matching
- Helped deploy Latte to National and International colleges like NYU, St.Johns and Lahore Grammar School, impacting more than 20,000 students worldwide

Google Software Engineering Program

October 2024 – Jan 2025

- Accepted as one of the hundred accepted candidates out of the 1200+ of applicants in the highly competitive Google SWEP x BASTA program
- Selected to get one-on-one mentorship from various google software engineers ranging from DSA to technical interview preparation to career advice

America Needs You Fellow

July 2024 – Current

- One of the 125 accepted applicants out of 600 total first generation college students in IL/NJ/NY to serve in a 2-year career development and leadership training program

Sales Associate and Technology Lead – Tiger Pharmacy

March 2023 – December 2024

- Created databases that tracks all available and in stock medication and their expiration date
- Wrote a script that categorizes the medication according to their expiration date and shows which medications will expire within the next 3 months with 100% accuracy. Increased efficiency of expiration checking, and improved overall operation time by 40%

Lead Yearbook Designer – Queens College

July 2023 – August 2023

- Created and managed color palettes, design structures and themes while leading a group of designers
 - Worked with Editor-in-Chief to organize and carryout deadlines
 - Used programs like Photoshop, InDesign and Lightroom
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HACKATHONS:

Hack Knight @ Queens College

November 2024

- Placed first out of sixty teams in the Best Beginner Hack Category
 - Worked as a Full Stack Developer for the team to create an app that displays verified Halal restaurants to users where users are also able to submit restaurants and locations to be reviewed by the team. Solely responsible for the Frontend Development, collaborated on Design elements and Backend connections
 - Project Tech Stack: Kotlin, Android Studio, Firebase, Google Maps API, Google Places API
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PROJECTS:

Modesty (in progress)

- Used web scraping to gather data from various other fashion retail websites commonly used in the USA
- Used machine learning to create an AI that can recognize if a clothing piece is 'modest' based on given guidelines
- Displays modest clothes for users and redirects them to the original site, creating an interface where they can quickly see a large selection of modest clothing from several brands, allowing them to filter out websites according to individual users tastes and preferences

Ambulance Prediction

- Created loss functions to test convolutional neural networks for false predictions
- Used libraries like TensorFlow, Keras and SciKit Learn to create neural networks in Jupyter Notebook
- Learned how to implement activation functions like Rectified Linear unit (ReLU) in networks
- Created a project with team mates to address hospital overcrowding issues and reroute ambulances based on the severity of patients using a linear regression model with an 82% accuracy to factor in injury and traffic conditions (using Google Maps API).

BXSCI Course Helper

- Uses Flutter to create a cross platform app that can sync across devices using login information to save data under specific users, like 'favorite' courses, setting preferences, etc.
- Implemented an accurate search function, searching through courses using course code and name.

Retro Text Gaming

- Used Arduino circuit board and programming to create a small handheld gaming console using an LCD board and a joystick to create a text-based game that displays different options based on the user's choice, leading to several different story conclusions
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LANGUAGES:

- Java – Eclipse/VSCode/Android Studio
- Kotlin – Android Studio
- Python – VSCode
- Swift – XCode

CERTIFICATIONS/AWARDS:

- First Class Honor Rating from The National Scholastic Press Association
- First Place Awards with Special Merit from The American Scholastic Press Association
- Deans List @ Queens College