

# Ome Asraf

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## Summary

Computer Science student who enjoys writing code in Java, C++, Swift, Python and Dart. Seeking a Software Development internship or a junior level position and trying to work on some real-world applications.

## Education

NEW YORK CITY COLLEGE OF TECHNOLOGY  
BROOKLYN, NY

*Bachelor of Science (B.S.) Computer Science (Expected graduation Aug 2022)*

- **GPA:** 3.5
- **Relevant Coursework:** Data Structures, Object Oriented Programming, Software Development using C# and .NET framework, Web Programming, Database, XML Data Representation, App Development with Database

## Software Projects

### FacialRecognition

- An app written with Python 3.9 using Tkinter, OpenCV and Face Recognition Modules
- Allows the users to identify anyone from a given image dataset
- Integrated OpenCV modules to let users effortlessly generate datasets
- Incorporated offline storage and automatic data caching
- Implemented multiple helper classes, to make it easier for the user to automatically download and generate datasets
- Utilized: Python, OpenCV, Face Recognition, Tkinter, OS, Threading

### SwiftWidgets

- Developed a Swift Package module using Swift and SwiftUI that allows users to write GUI code effortlessly
- Incorporated local data storage to cache images and create image views without needing to write complicated codes
- Seamlessly write new views without needing to worry about designing or writing a lot of code
- Leveraged the design language of Flutter and SwiftUI to work together and let the user focus on the important things
- Utilized: Swift, SwiftUI, URLSession

### Connect4

- A Simple Connect4 Game made with JavaFX and SpringBoard using the Java programming language
- Designed RESTful backend server that checks for winners
- Utilized: Java 15, JavaFX, SpringBoard, Scene Builder

### Muse

- Designed and implemented a social media RESTful backend server platform
- Integrated online storage using MongoDB, and added the ability to expand based on demand
- Added the ability for anyone to securely create and login into an account
- Utilized: NodeJS, ExpressJS, MongoDB, JsonWebToken, bcrypt

## Languages

- Python, Java, Swift, C++, Dart, SQL, JavaScript, HTML & CSS

## Certifications

- Information Security Basics (AWR173)