

# Joshua Yam

jy2223@nyu.edu | 646.387.9768 | joshyam.com

## EDUCATION

### NEW YORK UNIVERSITY

B.S. in Computer Science  
Minor in Math + Cybersecurity  
2016-2020 | Brooklyn, NY  
Dean's List 18', 19', '20

## LINKS

Github:// [yamjoshua](#)  
LinkedIn:// [joshua-yam](#)  
Website:// [joshyam](#)

## COURSEWORK

Data Structures and Algorithms  
Object Oriented Programming  
Computer Architecture  
Data Analysis  
Design and Analysis of Algorithms  
Artificial Intelligence  
Network Security  
Information Security  
Applied Cryptography

## SKILLS

### LANGUAGES

Python  
C/C++  
Javascript  
Java  
HTML  
CSS

### OTHER

Technologies:  
Flask  
Django  
Node.js  
Bootstrap  
MySQL  
React  
Docker  
Selenium  
Spring  
Git  
MySQL  
Latex

## EXPERIENCE

### ROOMSTER | SOFTWARE ENGINEERING INTERN

June 2019 – January 2020 | Manhattan, NY

- Served as a key team member in developing automated testing software using Selenium and Appium that would perform unit and regression tests on Roomster's desktop and mobile UI.
- Cut down time required to perform test cases from twelve hours to four hours using the new automated testing software.
- Assisted in converting several back-end services from C# to Python.

### NYU | NETWORK SECURITY TA

September 2019 – January 2020 | Brooklyn, NY

- Conducted weekly office hours for over 50 students to help aid understanding of course material and graded exams and assignments.
- Helped students with developing Python scripts that either demonstrated or exploited key network-security concepts and common vulnerabilities.

### DAI1 MEDIA GROUP | FREELANCE SOFTWARE DEVELOPER

June 2018 – September 2018 | Manhattan, New York

- Developed a PDF parser application using Python and the Tika library that was able to scan through hundreds of Chinese financial documents and generate a CSV file that extrapolated key bits of information.
- Proposed and executed the development of the application following Software Development Life Cycle guidelines and adhering to an Agile workflow.

### NYU WEB AND MEDIA SERVICES | MEDIA SERVICES TECHNICIAN

September 2016 – May 2020 | Brooklyn, New York

- Troubleshoot and coordinated technical activities for 50+ classrooms.
- Wrote scripts to calculate employee hours and to create daily event checklists from Google Spreadsheets.

### FASHION FANZINE | WEB DEVELOPER/PHOTOGRAPHER INTERN

June 2015 – September 2017 | Brooklyn, NY

- Implemented a responsive design to the website with primarily Javascript and CSS as a Front-End web developer.
- Integrated the Google Publisher Tags API in order to serve correctly sized advertisement content.

## PROJECTS

### CALL OF DUTY DISCORD BOT JANUARY 2021 - MARCH 2021

- A bot that connects to the unofficial COD API to provide Discord users advanced player statistics and daily/weekly leaderboards.

### PHOTOINSIGHTS SEPTEMBER 2019 - MAY 2020

- Developed a photo management and analysis application using the Spring Boot framework, React, and a H2 database.
- Maintained Git workflows as a version control tool.

### SODOKU SOLVER APRIL 2019 - MAY 2019

- Designed and implemented a program that could solve any 9x9 Sudoku puzzle efficiently using a Backtracking algorithm, Minimum Remaining Value and Degree Heuristics, and forward checking.