

Joshua Yam

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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
Bash

OTHER

Technologies:
Flask
Django
Node.js
Bootstrap
MySQL
React
Docker
Selenium
Spring
Git
REST
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 improve usability across multiple platforms.
- 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 ran off a RaspberryPi that connects to the official 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 React, Spring Boot, and a SQL database.
- Designed and implemented a RESTful API used for the processing of metadata and statistics from user photos.
- Maintained Git workflows as a version control tool.

SUDOKU 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.