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
HTML
CSS
Java
Bash

OTHER
Operating Systems:
Windows • MacOS
Unix/Linux

Technologies:
Git
Google DFP
Latex
Node.js
MySQL
React
Docker
Selenium
Spring
Flask

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
- Diagnosed and coordinated technical activities for 50+ classrooms.
- Troubleshooted and diagnosed issues promptly to satisfy clients' expectations.

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 Sodoku puzzle efficiently using a Backtracking algorithm, Minimum Remaining Value and Degree Heuristics, and forward checking.