Joshua Yam

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EDUCATION

NEW YORK UNIVERSITY

Tandon School of Engineering
B.S. in Computer Science
Minor in Math and Cybersecurity
Graduated May 2020 | Brooklyn, NY
Dean's List 18', 19', '20
Network Security TA

LINKS

Github:// **yamjoshua**
LinkedIn:// **joshua-yam**

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

C/C++
Python
Javascript
HTML
CSS
Java
Bash

OTHER

Operating Systems:
Windows • MacOS
Unix/Linux

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

EXPERIENCE

ROOMSTER | Software Engineering Intern

June 2019 – Present | 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.

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 documents and generate a CSV file containing key information.
- Proposed and executed the development of the application following Software Development Life Cycle guidelines and the Agile Methodology.
- Ensured program robustness by appropriately addressing errors resulting from unexpected input.

NYU WEB AND MEDIA SERVICES | Media Services Technician

September 2016 – May 2020 | Brooklyn, New York
- Diagnosed and coordinated technical activities for 50+ classrooms.
- Ensured the effective delivery of local and audiovisual services.
- 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.
- Set up multiple shoots with optimal equipment and lighting.

PROJECTS

SODOKU SOLVER

- Designed and implemented a program that could solve any 10x10 Sodoku puzzle efficiently using forward checking and a Backtracking algorithm.

PHOTOINSIGHTS

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

EXTRACURRICULARS

NEW YORK POSEIDON DRAGONBOATING

Won eight gold medals at the HSBC HKDBF (2016/2017)

NYU DIVISION 2 VARISTY CS:GO

Reached the CSL 2018/2019 semifinals with a 9-3 record.