Troy Kelley

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294 Hamilton Avenue
Stamford, CT 06902

Education

New York University, New York, NY

BA, Computer Science, College of Arts and Science — May 2021

BFA, Dance, Tisch School of the Arts — May 2020

GPA: 3.89

Relevant Coursework:

Data Management & Analysis, Basic Algorithms, Parallel Computing, Operating Systems, Computer Systems Organization, Data Structures, Introduction to Computer Programming, Web Design and Computer Principles.

Skills

- Python
- Java
- JavaScript
- Node.js
- C
- Git
- MongoDB
- PostGreSQL
- HTML
- CSS

Experience

Independent Web Developer

Contracted by client, May 2020 - Current

- Create complete frontend CSS designs and corresponding HTML layouts, collaborating closely with client on project requirements, user experience and overall site design language.
- Incorporate custom JavaScript and JavaScript libraries to allow for rich, interactive webpages.
- Implemented Node.js backend to serve dynamic webpages and designed an API to serve generate PDFs from user provided content, as well as request other data from the server.

Projects

Music Top Charts Analyzer, *Python*

Under direction of Prof. Joshua Versoza, New York University, 2020

- Use HTTP requests to access the Last.fm API to access and analyze musical data and listening trends.
- Parse JSON responses into an easily readable and organized pandas DataFrame.
- Use data obtained from a given response to generate other responses in order to gain more information about a track or artist.
- Allow for the search of artists of a similar type, and list their top songs

OS Process-Scheduling Emulator, *Java*

Under direction of Prof. Yan Shvartzshnaider, New York University, 2020

- Implement 4 process scheduling algorithms by managing Process objects' state, queueing processes to be run, terminating processes, and preempting them.
- Read processes from a file with optional command line arguments for more detailed output.
- Output results into file including blocked time, running time, and state for each process, and overall turnaround time, throughput of the CPU.