Johnlouis Dahhan

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Staten Island, New York

EDUCATION

New York University, Tandon School of Engineering   **Brooklyn, New York**
B.S. in Computer Science, Minor in Integrated Digital Media   *Sept. 2018 - May 2022*
- **GPA:** 3.7

EXPERIENCE

STEM-Away   **Remote**
Technical Lead   *June 2021 - August 2021*
- Coordinate programming for a project replicating research done in [Learning the Structure of Biomedical Relationships from Unstructured Text](), a 2015 research paper by Percha and Altman.
- Employ techniques including supervised and unsupervised biclustering, web scraping, XML parsing, and dependency parsing to cluster drug-gene relationships in over 23 million unorganized medical articles distributed across dozens of gigabytes of XML files.
- Help familiarize peers with programming techniques and libraries being used.

New York University Tandon   **Brooklyn, New York**
Teaching Assistant   *Sept. 2020 - Dec. 2021*
- Collaborate with professors in grading and creating homework assignments and laboratory exercises for a data structures and algorithms course of roughly 200 students.
- Educate students on topics in data structures, algorithms, file I/O, and object oriented programming in Python.

Caddell Prep   **Staten Island, New York**
Tutor   *Dec. 2018 - Aug. 2019*
- Trained students aged K-12 for various standardized tests in individual and group settings.

PROJECTS

[Front End Development Demo]() — *HTML, CSS, Javascript (React, Three.js)*   *Dec. 2021*
- Created 10 websites for a class on front end web development.
- Utilized various CSS methods, such as flex and grid display, as well as Javascript libraries such as React and Three.js.

[Fake News Filter]() — *Python Jupyter Notebook (Scikit-learn, NLTK, Matplotlib)*   *Dec. 2020*
- Created a fake news filter based on a dataset of 45000 news stories, parsed with NLTK and analyzed with support vector machine, neural network, and logistic regression based models.
- Achieved a test accuracy above 97%.

[Databases Demo Website]() — *HTML, SQL, Python (PyTorch, Matplotlib)*   *June 2021*
- Collaborated with a classmate to build an airline management website using HTML and CSS for front end development and pyTorch and mySQL for back end development.
- Built an SQL relational database with 13 interconnected tables and 26 HTML pages from scratch. Provided data visualization functionality using matplotlib.

SKILLS

- Experience in back end development using Pytorch, Flask, Iris (Go), SQL and MongoDB databases, as well as CI/CD using Travis-CI, Github Actions and Heroku.
- Experience with front end development with HTML, CSS, Javascript and using visual JS libraries such as React Three.js and p5.js.
- Experience with machine learning using scikit-learn and NLTK, networking programming in Python, implementing distributed systems Go, and game development in GameMaker.