

Johnlouis Dahhan

jdahhan.com | jdahhan@nyu.edu | github.com/jdahhan

1 (347) 837 7666
Staten Island, New York

EDUCATION

New York University, Tandon School of Engineering
B.S. in Computer Science, Minor in Integrated Digital Media

Brooklyn, New York
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

[PutMeOn](#) — Flask, Mongo, React

Sept. 2021

- Ongoing senior capstone project to create a music based social media platform.
- Backend provides dozens of endpoints for user interaction using a cloud Mongo database and is continuously integrated with unit tests via Github Actions and deployed to Heroku.
- Frontend is built on React and deployed to Netlify.

[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.

[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%.

SKILLS

- Experience in back end development using Pytorch, Flask, Iris (Go), SQL and noSQL databases, as well as CI/CD using Travis-CI, Github Actions and Heroku.
- Experience with front end development with HTML, CSS, Javascript and 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 in Go, and game development in GameMaker.