

Tommy Lin

Brooklyn, NY • (347) 419-2860 • <https://www.linkedin.com/in/tom-lin43> • tommylin121314@gmail.com

CAREER OBJECTIVE

I am an aspiring data engineer with a passion for ML looking to leverage and expand my knowledge in data science.

EDUCATION

Stony Brook University

[B.S. Computer Science]

August 2019 - May 2023

Completed Coursework:

Data Structures & Algorithms, Discrete Mathematics, Programming Abstractions, System Fundamentals, Theory of Computation, Statistics, Software Development, Computer Networks, Machine Learning, Data Science, Computer Vision, Natural Language Processing

Boston University Metropolitan College

[M.S. Applied Data Analytics]

Currently Attending

PROFESSIONAL EXPERIENCE

IOT NATION

New York, NY

Data Engineer Intern

July 2022 - August 2023

- Worked in a 4-person team to design, develop, and deploy an app in an Agile work environment
- Used Selenium, BeautifulSoup, and other Python libraries to scrape sites for relevant data
- Utilized NumPy and Pandas libraries to perform data manipulation, analysis, and visualization tasks
- Employed AWS services such as S3 to build and manage a scalable and robust database
- Built a scalable data system that processed and stored information from ETL pipelines
- Used and built Docker containers to streamline application deployment

PROJECTS

PIECES

<https://github.com/PGreatness/Pieces>

Full Stack Developer

- Worked in a 4-person team to build and launch a 2D tileset and tilemap editor site
- Used MongoDB Atlas, ExpressJS, and NodeJS to set up the backend of the site and store user data
- Worked with ReactJS and MaterialUI to build an interactive and simple user interface
- Utilized SocketIO to enable user-to-user communication and real-time collaboration

HEART DISEASE CLASSIFIER

<https://github.com/tommylin121314/heart-disease-classifier>

Data Engineer

- Developed and implemented machine learning models using LogisticRegression and RandomForestClassifier to classify potential heart disease patients, resulting in an 88% accuracy
- Performed data preprocessing to remove inconsistencies and irregularities for the best results
- Utilized the Scikit-Learn library to develop classification models with a near 90% accuracy

FINANCIAL NEWS SENTIMENT ANALYZER

https://github.com/tommylin121314/financial_analyzer

Data Engineer

- Built upon pre-trained FinBERT model to classify articles based on sentiment; articles are classified as either positive, neutral, or negative; final model reach an accuracy of >90%
- Used Selenium and pandas to scrape and store thousands of entries for training and testing
- Leveraged classification capabilities of the trained model to predict trends in stocks

TECHNICAL SKILLS

- | | | |
|----------------|--------------------|-----------------------|
| • Python | • Data Analysis | • Database Management |
| • Data Science | • Machine Learning | • SQL |