Stephen Williams

(347) 543-2045 | svalentinow@gmail.com | Queens, NY | svalentinow.github.io | linkedin.com/in/stephenwilliams

EDUCATION

John Jay College of Criminal Justice, City University of New York (CUNY)   New York, NY
Bachelor of Science in Applied Mathematics | Data Science Concentration   Dec 2022
Computer Science Minor | Cum Laude, GPA: 3.74/4.00
Relevant Coursework:
Discrete Structures and Algorithms, C++ Programming, Probability and Statistics, Multivariate Analysis, Database and Data Mining, Data Analysis, Data Structures, Software Development, Machine Learning

SKILLS

Programming: Python, C++, R, SQL, HTML, CSS, JavaScript, Node.js, Express.js
Technologies: Jupyter Notebook, VS Code, Git/GitHub, PyCharm, Selenium
Certifications: Codecademy Learn HTML and Learn CSS (Aug 2022)

PROJECTS

Netflix-Top-Content, [https://github.com/deepankarck2/Netflix-Top-Content]   Mar 2023 – May 2023
- Developed, remotely in a team of 3, a website dashboard to help users decide what to watch on netflix
- Scraped data from various websites and used gpt-3.5 to generate responses that provided users opinion on the movie or show, type of viewer who would enjoy this content, and list of similar media.

Vibify, [github.com/CTPFallGroupProject/Music-Analysis-Machine_Learning]   Oct 2022 – Dec 2022
- Developed, remotely in a team of 3, a Streamlit application where users can upload song lyrics and receive a dashboard with the genre and valence of the song and the top 5 lyrically similar songs.
- Implemented 2 LSTM architectures for valence regression and genre classification using Python, scikit-learn and Tensorflow with a mean squared error of .05 and validation accuracy of 60% respectively.

Ukraine-Russia War Analysis, [github.com/Svalentinow/Ukraine-Russia-war-analysis]   Mar 2022 – May 2022
- Performed EDA on Russian equipment losses and Tweets related to the Ukraine-Russia war.
- Implemented Word2vec, Logistic Regression and Decision Tree using Python, Gensim, scikit-learn and (Valence Aware Dictionary and sEntiment Reasoner (VADER)) sentiment. Wrote papers that documented findings and methodologies

Education-rpg   Feb 2022 – May 2022
- Developed an online React 2D game in a private repository, with a team of 5, to help users learn React by answering multiple-choice and debugging questions.
- Created a Sequelize model of database that contained user information, questions, and game elements.
- Established routes in the backend to communicate with the frontend and database using Express.

RELEVANT EXPERIENCE

CUNY Tech Prep   New York, NY
Remote Fellow, Data Science   Jun 2022 – Jun 2023
- Learning in-demand technologies like Python 3, Jupyter Notebooks, Pandas, Numpy, Scikit-learn, and SQL industry best practices for exploratory data analysis (EDA), feature engineering, data collection and processing, statistical modeling, data visualization, machine learning techniques, data science process, and big data.
- Worked virtually with other CTP fellows to complete and showcase projects at the end of each academic semester

Temple University   Philadelphia, PA
REU Remote Research Intern   Jun 2021 – Jul 2021
- Collaborated with a professor to conduct simulations using a regex software that generated regular expression to understand its algorithm.
- Presented experiments, including a five fold analysis, to a cohort of REU students and research professors.

SUPPORTING EXPERIENCE

CUNY SEEK Program   New York, NY
John Jay College Assistant   July 2022
- Tutored social science math to incoming college freshmen enrolled in the SEEK program over the summer
Baruch College Assistant   Aug 2019 -Dec 2019
- Tutored college algebra and pre-calculus to incoming college freshmen and transfer SEEK students

ASSOCIATIONS

SEEK Chi Alpha Epsilon National Honor Society   Nov 2021 – Dec 2022
Dean's List   May 2020 – Dec 2022