Sean Hulseman

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Data scientist with a background in philosophy, and professional experience in teaching and business ownership. Brings strong analytical skills, a commitment to ethical decision making, and a proven ability to adapt in fast-paced, problem-solving environments. Known for delivering high-quality results through diligence, curiosity, and collaboration.

WORK EXPERIENCE

NORWOOD HIGH SCHOOL, Paraprofessional   Aug 2025 - Present
Supporting students with IEP/504 accommodations in math classrooms. Collaborating with lead teachers on lesson planning, appropriate student accommodations, behavior management, and teaching strategies.

TUFTS UNIVERSITY, Course Assistant   Jan 2025 - May 2025
Instructed graduate students during regular office hours on Zoom. Fielded student questions, graded homework and projects, and created or modified assignments alongside the lecturer.

CANTON HIGH SCHOOL, Teacher, Canton, MA   Dec 2018 - July 2023
Taught Physics, Calculus, Algebra 1 and 2, Robotics, and Computer Science.
Implemented a grant-won, project-based computer science principles curriculum (PLTW).
Lobbied for and attained funding to purchase a cart of laptops dedicated to computer science and engineering.
Served as advisor to the Science National Honor Society for three years.

PRIVATE TUTORING, Greater Boston, MA   2019 - 2023
Provided private tutoring services for math, science, SAT/ACT prep, and executive function coaching. Daily scheduling, invoicing, and reports for sessions. Worked for Lexington Tutoring, LLC from 2019-2021. I created Greater Boston Tutors, LLC in 2021 which I operated through 2023.

Projects

Radio Landscape, Tufts University | Data Science Capstone   Jan 2025 - Dec 2025
Built a pipeline to crawl FCC Public Information Files and inventory "issues/programs lists" for U.S. FM radio stations. Engineered a structured dataset (.ndjson) connecting metadata (e.g., ownership, location, broadcast range) from the FCC FM Query with each station's associated issues/programs lists. Developed text extraction and labeling methods to process unstructured PDF content, enabling topic classification and analysis of broadcast issues. Explored clustering techniques to identify thematic patterns and perform regional comparisons of broadcast issues across the United States.

SKILLS

Programming Languages: Python · SQL · R · HTML/CSS
Python Libraries & Tools: NumPy · Pandas · Scikit-learn · Matplotlib · TensorFlow · NLTK · BeautifulSoup · PyMuPDF
Development Tools & Environment: Command Line Interfaces · WSL · Git · Jupyter
Big Data & Cloud: Apache Spark · Hadoop · Google Cloud Platform (GCP)
Data Science & Analytics: Data Cleaning · Exploratory Data Analysis (EDA) · Data Visualization · Natural Language Processing (NLP) · Statistical Modeling · Technical Risk Analysis
Other Tools & Skills: Excel · Microsoft Office · Professional Communication · Writing · Research · Project Management · Git · Jupyter

EDUCATION

Data Science Masters, Tufts University   May 2024-Dec 2025
Graduate Coursework: **Machine Learning**, **Cyber Security**, **Artificial Intelligence**, **Reinforcement Learning**, **Big Data, Data Analytics, Probabilistic Systems Analysis**, **Statistics, and Data Science Capstone**
Data Science Bootcamp, General Assembly, Remote,   Sep 2023 - Dec 2023
B.A.- Philosophy, Minor-Physics, John Carroll University, University Heights, Ohio   Graduated May 2013