

MEL VIATOR

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EDUCATION

Boston University

Candidate for Master of Science in Applied Data Analytics, GPA: 3.96/4.00

Boston, MA

September 2021 – Present

Bentley University

Bachelor of Science, Magna Cum Laude, GPA: 3.71/4.00

Waltham, MA

September 2015 – May 2019

Major: Mathematical Sciences | Minor: Computer Information Systems

TECHNICAL SKILLS & RELEVANT COURSEWORK

Programming Languages: Python, R, Java, SQL

Python Tools: Pandas, NumPy, SciPy, scikit-learn, sklearn, Pytorch, TensorFlow, Keras, Jupyter Notebook

Theory: machine learning, classification and regression modeling, deep learning, data mining, database design and management, algorithms, statistics, probability, and calculus

Graduate Courses: Advanced Machine Learning and Neural Networks, Data Science with Python, Foundations of Machine Learning, Web Mining and Graph Analytics, Analysis of Algorithms, Data Structures and Algorithms

Capstone Projects

- *DNA Sequence Classification with CNN:* Employed NLP and Deep Learning techniques using Keras to accurately classify DNA sequences by experimenting with various preprocessing techniques, models, and hyperparameters
- *Understanding the Shortest Path Problem:* Analyzed Dijkstra's algorithm alongside RRT to implement the combination of the algorithms to find an innovative and optimal solution to the shortest path problem
- *Workplace Gender Discrimination Analysis:* Conducted inferences about gender pay and promotion inequalities by implementing statistical hypotheses, constructing multiple regression models and an analysis of variance in R
- *Classification of Breast Cancer Tumors:* Developed supervised ML classification models in Python to accurately predict whether a tumor is malignant or benign based on a set of features collected from an imaging test

PROFESSIONAL EXPERIENCE

U.S. Department of Veterans Affairs

Boston, MA

Data Scientist Masters Student

May 2022 - Present

- Selected for the Big Data Scientist Training Enhancement Program (BD-STEP), which provides opportunities to learn and use data science techniques to advance healthcare research and patient care within the VA
- Performed statistical analyses as research for the Video Blood Pressure Visits (VBPV) service project – an initiative to improve the quality of care to Veterans with hypertension from remote locations
- Collected data from the VA's corporate data warehouse in SSMS, performed analyses in Python/R, and presented the information in a manner that was informative and digestible to healthcare professionals

Aon Corporation – Rewards Solutions

Waltham, MA

Aon's Rewards Solutions division supports clients in life science and technology industries that seek insights on compensation practices. The company utilizes data and analytics to diagnose problems and provide actionable solutions

Senior Associate Compensation Consultant

June 2019 – July 2021

- Led the research of market data to assess pain points within a client's organization; translated findings into visual representations and presented comprehensive strategic solutions to senior client leaders
- Collected, manipulated, and interpreted data from compensation surveys and public financial disclosures in order to provide robust and dynamic industry benchmarks
- Responsible for the continuous updates of a company-wide financial intelligence database while identifying and implementing opportunities to reduce an average of 2 labor hours per task for my colleagues

Diversity, Equity & Inclusion Committee

Co-Committee Chair and Training & Education Workstream Lead

June 2020 – July 2021

- Founding member of the Waltham Office's Diversity, Equity & Inclusion (DEI) committee, taking intentional actions to ensure DEI is embedded through recruiting, community involvement, and education
- Led the research and organization of monthly training and educational workshops for 40+ participants per event, engaging office personnel to embrace a culture of diversity, equity, and inclusion

EXTRACURRICULARS & HONORS

Bentley DII Varsity Swimming Team – Participated in four years of varsity training and athletic competition

Academic All-American Athlete – Recognized based on concurrent high achievement in academics (GPA greater than a 3.6) and athletic competition (alternate to NCAA DII swimming championships)