Augustinus Joseph

Boston, MA

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Skills

Languages	Python, R, SQL, Scripting (Bash), LaTeX, HTML, Vim, C++, Lua
Tools/Skills	iOS, Windows, Linux, Spark, Hadoop, Tensorflow, Pytorch, Scikit-learn, numpy, pandas, Mongodb, Matlab, matplotlib, WEKA, AWS, OCI, Azure , A/B Testing, ETL, Data Science Pipeline (cleansing, wrangling, visualization (Tableau, PowerBI), modeling, interpretation), Anaconda (Jupyter Lab), Statistics, Reports (Rmarkdown), Time Series, Experimental Design, Hypotehsis Testing, OOP, OOD, APIs, Excel, Git
Certifications	Professional Data Analytics, Google – (2023)

Education

3.6/4.0   **New York University**, *Gallatin School of Individualized Study* | NY, NY   *2015-19*
BA in Philosophy and Industrial Design | Recipient of **Full Ride Academic Scholarship**

3.8/4.0   **Massachusetts Institute of Technology**, *Schwarzman College of Computing* | Boston, MA   *Current-2024*
Masters in Statistics and Data Science (MSDS) | Recipient of **Full Ride Academic Scholarship**

Achievements: Max Scorer: Titanic - Machine Learning for Disaster Competition | Regional Top Performing in Commercial and Retail Sales '21-'22

Relevant Coursework: Probability - The Science of Uncertainty and Data | Data Analysis with R Programming | Fundamentals of Statistics | Stat Modeling and Computation in Applications | Process Data from Dirty to Clean | ML w/ Python: From Linear Models to Deep Learning | Analyze Data to Answer Questions | Data Visualization

Professional Experience

Varsity Tutors, *Data Analytics Tutor* | Remote   *Nov 2023 - Current*
- Conduct private tutoring sessions in data science, micro/macroeconomics, and accounting for high school and post-grad students.
- Achieved 100% student success rate in mastering data analysis, econ, & accounting– overseeing >20 students.

Trinity Solar, *Marketing Specialist* | Remote   *Dec 2022 - Feb 2023*
- Revamped marketing strategies through **exploratory, spatial, and statistical analysis**, resulting in a 20% surge in quality leads.
- Managed, cleaned, protected, and anonymized 2TB of client data which reduced total process time by >20% streamlining consultations and servicing of over 50,000 homes.

Advance Auto Parts, *Assistant Manager* | Cape Cod, MA   *May 2021 - Dec 2022*
- Managed flagship location with merchandise valued at over 700k, utilizing statistical market research to optimize sales performance.
- Utilized **Excel** to enhance profitability by >30% in revenue by conducting strategic analyses of product inventory, phasing out discontinued items, and surpassing target sales goals consecutively for 2 years.
- Led team of 6, handled cash, managed over 200 commercial accounts, and deposits.

First Citizens Federal Credit Union, *Bank Associate II* | Cape Cod, MA   *Jul 2019 - Nov 2020*
- Conducted a range of responsibilities including overseeing accounts with a cumulative value exceeding 70 million, account openings, cash handling, ATM and vault duties, audits, and diverse payment processing.
- Cultivated relationships and made strategic **investment** recommendations and enhanced financial portfolios by >15%
- Orchestrated scheduling for tellers, worked cross-functionally with other banking executives, and ensured confidentiality.

Insurance Federation of New York , *Intern* | New York, New York   *May 2014 - Sept 2015*
- Visited 25 leading insurance companies (eg. Lloyds, Allianz, Chubb), learned all aspects of the financial service industry from company CEOs and upper management. Drafted and presented **reports** to senior leadership.

Projects and Leadership

Olympic Medal Prediction   *Sept 2023*
Linear Regression & Predictive Modeling, Personal Project
- Developed an environment utilizing **Anaconda** and created **ML models**.
- Utilized **scikit-learn** and **Seaborn** in **python** via **jupyterlab** to generate and analyze **linear regression**.
- Produced an accurate **predictive model** for how many gold medals each country will win with an **MAE** of 3.269.

App Store Analysis   *Aug 2023*
Market Research and App Development Ideation Analysis, Personal Project
- Combined datasets to perform a series of **SQL queries** to extract insights about Apple's App Store.
- Attained impressive observations toward market saturation, target markets, and user behavior to guide decisions in app development.

Cyclistic Case Study   *Aug 2023*
User Behavior and Marketing Analysis (Course Project)
- Utilized various **packages and libraries** alongside **ggplot2 and Tableau** with **R** to perform statistical analysis for a bike-share company.
- Successfully analyzed user behavior to indicate KPIs and create marketing strategies to boost subscription rates by at least 30%.

Breakthrough New York   *Sept 2012 - May 2019*
Tutor   *New York, New York*
- Collaborated with instructors and 5 other tutors to create study plans, lead recitations, grade coursework, and guide a cohort of 60+ 7-8th graders.
- Developed and facilitated 5 workshops providing foundational programming lessons using **Scratch** and **Python**.