

WILLEM TAYLOR

wtaylor67@gatech.edu | www.linkedin.com/in/wtaylor67 | willem25.github.io | (914) 473 - 6730

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

Atlanta, GA

Master of Science in Analytics

December 2022

- Track: Computational Data Analytics Cumulative GPA: 3.88
- Coursework: Machine Learning, Analytics Modeling, Regression Analysis, Visualization, Big Data Systems

Bachelor of Science in Computer Science

May 2021

- Concentration: Intelligence and Information Internetworks Cumulative GPA: 3.97
- Coursework: Artificial Intelligence, Data Engineering, Computer Vision, Databases, Marketing Analytics

SKILLS

Programming: Python, SQL, R, Java, C/C#

Libraries: Pandas, PySpark, Scikit-learn, NumPy, Dash, Selenium, Beautiful Soup, Matplotlib, D3

Tools: Git, AWS, Jupyter Notebook, MySQL, Spark, Android Studio, Bash, Tableau, Django

Analytical Techniques: Visualization, Regression Analysis, Clustering, Classification, Feature Engineering

EXPERIENCE

SLALOM CONSULTING

Atlanta, GA

Data Engineer Intern

May 2022 – July 2022

- Designed, developed, tested, and deployed features to a client's internal data lake application used by hundreds of employees with tools such as **PySpark**, **AWS S3**, **AWS Glue**, and **Amazon Athena**
- Incorporated client and user feedback to develop a schema inference feature to aid users on dataset intake

KPMG

Atlanta, GA

Data Science Intern

June 2021 – August 2021

- Built data pipeline in **Python** and visualization in **Dash** for securities data, identifying price outliers across 25 funds
- Researched and created proof of concept script for compiling information on individuals across 8 social media APIs

GEORGIA INSTITUTE OF TECHNOLOGY

Atlanta, GA

Graduate & Undergraduate Teaching Assistant

June 2020 – Present

- Taught lessons and held daily office hours for a class of 1400 students on modeling in **R**, a class of 1400 students on programming in **Python** and **SQL**, and a class of 350 students on Object Oriented Programming in **Java**

DELTA AIR LINES

Atlanta, GA

Cargo Analytics Intern

August 2019 – December 2019

- Developed classification model in **Python** for priority level of cargo and displayed recommended cargo breakdown order in **Dash** visualization dashboard, reducing the amount of cargo missing connecting flights
- Created and maintained **MySQL** database backing a web application tracking vehicle inspection information

PROJECTS

MOVIE GENRE TEXT CLASSIFICATION

May 2022

- Created NLP model to predict the genre of a movie from nine possible options based only on its plot summary
- Implemented **classification** model manually using **Naive Bayes** algorithm with minor modifications to obtain 60% classification accuracy, outperforming several existing package implementations

EMS MOBILE APP

May 2021

- Created **Django** database backing iOS and Android apps to store hospital occupancy data to be displayed in app
- Developed ETL pipeline to continuously update application database using data scraped with **Python** script