**Adem H. Kolenovic**

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**Education**

**New York Institute of Technology | New York, NY** *September 2019 – December 2021*

Bachelor of Science in Computer Science: Big Data Management & Analytics, GPA 3.11

**Bergen Community College | Paramus, NJ** *January 2017 – September 2019*

Associates of Nat. Sciences & Mathematics 120 Credits, GPA 3.38

**Skills**

**Programming:** Java, Python, JavaScript, SQL, PostgreSQL,

**Platforms:** Linux Ubuntu, Windows

**Software:** Android Studio, GitHub, Jupyter Notebook, Apache2, Spark, Delta Lake, Docker, HDFS, Hadoop, Airflow, Kafka, DBT, GCP with Terraform

**Communication:** Design proposals, technical reports, presentations

**Work Experience**

**First Services Residential | Union City, NJ** *May – May 2018-2019*

***Assistant Superintendent***

**Relevant Projects**

**Personal Website**

*Individual, HTML CSS Bootstrap*

A website hosted using AWS with the goal of showing my portfolio and myself.

**NYC Taxi Project**

*Individual, Postgres Docker GCP with Terraform Airflow Kafka*

* ETL process of NYC taxi data

**FitHub**

*Team-based, Java, XML, Firebase NoSQL, Python, TensorFlow, Keras, Jupyter Notebook*

A social media platform used to inspire exercise during the pandemic and ensure friends can hold each other responsible with image authentication. Users can add friends, upload images, and compete on a leaderboard.

* Created the FireBase database and account creation functionality
* Created icons and assets used

**Twitter Sentiment Analysis**

*Team Lead, Jupyter Notebook Python Pandas Numpy NLTK textblop*

Analysis of the most recent tweets of a select group compared with another group with the goal of seeing if one group is more positive or negative compared to the other.

* Connected to the Twitter API via SSH key
* Cleaned the text data from all emotes and symbols
* Implemented the polarity model and assisted with sentiment model

**Zoom Attendance App**

*Team-based, VueJS PostgreSQL Docker*

An attendance tracker on zoom for students to sign-in and professors to view the class. The goal being to cut down on the time wasted on attendance for classes.

* Created the PostgreSQL database and ER model.
* Assisted with VueJS, functionality of the sign-in sheet.

**NYC Housing Data**

*Team Lead, Jupyter Notebook Python*

Data mining process on 2018 NYC Housing Sales data, with goal of predicting future sales location and price.

* Cleaned the data, analyzed the data, created model for the data
* Data visualization, creation of scatterplots, heatmaps, and bar graphs