

# Adem H. Kolenovic

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## Education

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### 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

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**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

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### First Services Residential | Union City, NJ

May – May 2018-2019

**Assistant Superintendent**

## Relevant Projects

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### 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 textblob*

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