

JACK BIBI

DATA SCIENTIST

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SUMMARY ➤

I am curious and thirsty to learn which drives me to power through and finish whatever job is thrown at me. By employing my creativity and uniqueness as a strength, I have the ability solve problems of all complexities.

SKILLS ➤

DATA MANAGEMENT & VISUALIZATION

Planning
Data Collection
Data Cleaning
Data Processing
Data Visualizations and Charts
Communication
Presentation

PROGRAMMING LANGUAGES & FRAMEWORKS

HTML
CSS
Command Line
Python
Git
Pandas
SkLearn
Scipy
Numpy
Matplotlib
Keras
Tensorflow
SQL
Scala
Jupyter Notebook
BeautifulSoup
Selenium
Web APIs
Seaborn
Excel
Tableau
AWS
Markdown

STATISTICAL MODELING

Machine Learning
NLP
Classification Modeling
Regression Modeling
Unsupervised Learning Models
Ensembling Methods
Neural Networks
Word Embedding
Linear Algebra
Deep Learning

AWARDS ➤

1st Place in AMC 12b Problem Solving Competition
, *American Mathematics Competition*
Feb./2014
2nd Place in the ONE Club Creative Boot Camp for Inclusive Design
, *The One Club + Microsoft*
Aug./2018
7th Place in the National Student Advertising Competition
, *NSAC*
May/2018

ACTIVITIES ➤

Consumer Electronics Show (CES)
, *Exhibitor*
Jan./2015 - Jan./2016
Canton Fair
, *Exhibitor / Buyer*
Apr./2016 - Current

PROJECTS ➤

SAT/ACT Data Analysis (Python)
Collected SAT and ACT scores by state for 2017 and 2018.
Analyzed and cleaned the data to get a better look at the data.
Created Histograms, Heat maps, and scatter plots to find correlation in the data.
Provided the SAT Board with a state that would give them a lot of opportunity to grow in.
Feb./2019 - Feb./2019

Ames Housing Price Predictor (Python)
We were given a task of building a price-prediction template using housing data from Ames, Iowa. The idea is to start with just Ames, IA and eventually we would bring it to the rest of the world.
Analyzed and cleaned the data
Performed feature engineering and feature selection/extraction.
Visualized the data using scatterplots and heat maps to find correlations and outliers.
Created my own pipeline to create 15 different combinations of Scalers, Transformers, Feature Engineering, and Predictive Models.
Chose the best model with an RMSE of \$18,000
Mar./2019 - Mar./2019

Reddit NLP Predictor (Python)
Created a Web-Scraper to pull posts from 2 subreddits (T-Mobile & Comcast).
Cleaned up the data and performed NLP preprocessing to prepare it for the classifier.
Designed a python class that allows you to throw in your parameters and it will run on 19 different models.
The functions will then return a DataFrame showing you all of the relevant scoring metrics and highlight which model worked best on your data.
Created a text-input form that allows a user to input text and it will predict whether the post came from the T-Mobile subreddit or Comcast.
Mar./2019 - Apr./2019

Police Scanner Alerts (Python)
We created a web scraper that pulls in relevant data and formats it correctly to our data frame.
When a new alert is created, it is pushed via IFTTT or email.
Created a subscriber sign up form in python that allows a user to choose which city(ies) and alert(s) that they would like to receive email alerts about.
In addition to the alert, relevant weather data on that neighborhood is also pushed out so first-responders could understand what the conditions are in the area.
Apr./2019 - Apr./2019

311 Calls Hackathon Project (Python)
Information on 311 calls is available for our analysis via NYC OpenData. We analyzed this dataset to determine what the changing nature and volume of these calls indicates about a neighborhood.
We pulled in data for nine departments that had both a high volume of calls and would give us an indication of the changing nature of a neighborhood.
We cleaned up our data, engineered more features, removed rows, and created dummy columns for the different complaint types within each department.
We aggregated our data into monthly totals by community board, by department.
We mapped our data onto our Bokeh map to show how the number and types of complaints changes over time.
Apr./2019 - Apr./2019

Salary Predictor (Python)
I am currently working on this project:
I designed a selenium web-scraper that constantly pulls new jobs from google's job search platform and pull the Glassdoor estimated salary for these jobs.
I cleaned up the job posting, tokenized, lemmatized, removed stop words, and ran it through a TFIDF-Vectorizer to prepare it for the regression models.
I ran Linear Regression, Ridge, Lasso, Random Forest, Gradient Boost, Neural Net, and a CNN on the job posting and output the RMSE of each model.
I then created an input form that allows a user to place in the text from their Resume and get an estimate of how much they are worth.
The current RMSE is on average \$14,200
May/2019 - Current

EDUCATION ➤

GENERAL ASSEMBLY
Certificate of Completion Data Science 2019
Completed a full-time 500+ hour Data Science immersive focused on real-world applications of data science principles and best practices, primarily with Python.
Experience included data acquisition, data cleaning and wrangling, predictive modeling, and visualization strategies. Developed a portfolio of individually and collaboratively focused in-class projects, including:
According to many, this course can be equivalent to 1+ years experience in the field
Feb./2019 - May/2019

CITY UNIVERSITY OF HONG KONG
Study Abroad Program
Classes: Mandarin, Finance, Marketing Presentations, Management
Jan./2017 - May/2017

BERNARD M. BARUCH COLLEGE (CITY UNIVERSITY OF NEW YORK)
BBA Digital Marketing 2018
Bachelors in Business Administration (BBA) Major in Digital Marketing Minor in New Media Art
Aug./2014 - May/2018

TECHNION - ISRAEL INSTITUTE OF TECHNOLOGY
Summer Start-Up Initiative Boot Camp
June/2013 - Aug./2013

YESHIVAH OF FLATBUSH JOEL BRAVERMAN HIGH SCHOOL
NYS Regents Diploma
Sept./2010 - June/2014

EMPLOYMENT ➤

Outdoor International LLC, Head of Marketing,
New York, NY
Sourced and designed products.
Designed and launched online retail presence.
Created and implemented digital marketing campaigns on social media platforms and using influencers.
Ran business analysis reports on sales and marketing data.
Created automation program to continuously run reports
June/2017 - Feb./2019

Freelance, Technician consultant,
New York, NY
Setup home theaters.
Audio/Visual work for community events.
Setup homes and offices with proper IT setup (Internet, Phone & Server)
Sept./2011 - Current, Sept./2011 - Current

Future Scooter LLC, Founder and CEO,
Brooklyn, NY
Sourced and designed product.
Designed and launched online retail presence.
Over \$250,000 in revenue in first 3 months,
Partnered with Southern Telecom LLC in August 2015.
Over \$2 million in revenue in first year.
May/2015 - May/2016

Malsons Jewelers
Sales Associate & Analyst
Brooklyn, NY
Ensure that each customer receives outstanding experience by providing a friendly and respectful environment.
Managing POS system at multiple locations
Ran and analyzed reports on sales data to better forecast future sales.
June/2010 - Sept./2010, July/2013 - June/2014, Sept./2014 - May/2015

VOLUNTEERING ➤

Sephardic Bikur Holim
Event Coordinator - Brooklyn, NY
Create events to bring together the jewish youth to encourage them to meet up.
Events include: cooking for the local soup kitchens, raising money for the poor, visiting the sick and many more.
Last year, our team raised over \$2.5 million dollars for the organization.
Oct./2014 - Current

Hatzolah of the Shore
Volunteer EMT - Deal, NJ
Respond to emergency calls to provide efficient and immediate care to the critically ill and injured, and to transport the patients to the proper medical facility.
June/2017 - Current