

Mehika Patel

Sociology with Statistics & Data Science Major



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Summary

Motivated data science student with 18 months of experience seeking opportunities to engage in challenging work with data science and machine learning to provide high impact solutions. Experienced in using data analysis, python, R programming to develop models for various projects.

Key Skills

Python
Pandas
Numpy
Statistics
Web Scraping (Beautifulsoup, Requests, Selenium)
Data Visualization Tools (Tableau, Bokeh, PowerBI, Matplotlib, Seaborn)
Basic Web Development (HTML)
Machine Learning
Supervised Learning
Unsupervised Learning
NLP (spaCy, nltk, gensim, textblob)
Deep Learning
Neural Networks
Data Engineering
Data Business Fundamentals
SQL
Basic R Programming
Jupyter Notebooks
Bayesian Statistics
Linear and Logistic Regression
Sequence Modeling
Cloud Computing
Microsoft Suites
Working on MS Azure
Certification
Gephi Data Visualization

Education

Yale University | Expected 2022

Bachelor of Arts in Sociology with Statistics & Data Science.

Metis Data Science & Machine Learning Bootcamp | Expected August 2021

14 week long intensive accredited Data Science boot camp focused on data wrangling, statistical modeling, supervised & unsupervised machine learning, deep learning, NLP, and data visualization.

Experience & Leadership

Cohen Summer Public Service Fellowship Recipient

Consumer Credit Counseling Services/ Savannah, GA / June ,2021 – Current

- Data science work for Consumer Credit Counseling Services of Savannah on Home Buyer clients
- Supervised machine learning and exploratory data analysis on client database

LEAD RESEARCHER

Consumer Credit Counseling Services/ Savannah, GA / June ,2020 – Aug 2020

- Conducted study on efficiency of counseling services for 500+ clients over 10 years provided by organization using available administrative data with a focus on demographic discrepancies in plan efficacies through excel.
- Study used by nonprofit for grant writing purposes and to improve and tailor services for underserved populations.

RESEARCH ASSISTANT

Yale Sociology Department / New Haven, CT / Jan 2020 – Sept 2020

- Sociological data analysis work focused on philanthropic movements.
- Created and ran data and social network models for grant databases with R and excel.

CO-DIRECTOR OF OPERATIONS

Yale VITA Chapter/ New Haven, CT / Oct 2019 – Present

- Establish and maintain new virtual platform for tax preparation volunteering.
- Manage operations and logistics of Yale University VITA Chapter.
- Maintain relations with Connecticut VITA chapters.
- File taxes for New Haven locals and overseeing volunteer shifts.
- Manage shifts that total ~\$27,000 for clients per shift.

CO-PRESIDENT

Yale Queer + Asian Board / New Haven, CT / Jan 2019 –Present

- Oversee and organize six major social events, speaker events, discussion events, along with weekly dinners.
- Set meeting agenda and lead meetings with other board members to create a safe space for Yale's Queer and Asian community.

RESEARCH ASSISTANT

Yale Law School / New Haven, CT / Aug 2019 – Dec 2019

- Conducted liability waiver research for John Witt at the Yale Law School.
- Compiled and sorted liability waivers and other legal documents.
- Created navigable resource map on official project website to ease future submission additions to site's portfolio.