

# HURSH DESAI

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## EDUCATION

### New York University, Leonard N. Stern School of Business

New York, NY

*Bachelor of Science in Business and Political Economy, Bachelor of Science in Data Science*

*Expected May 2021*

- **GPA:** 3.3
- **Study Abroad:** London, UK (Fall 2018) and Shanghai, CN (Spring 2019)
- **Relevant Coursework:** Machine Learning, Data Bootcamp, Decision Models & Analytics, Data Structures
- **Projects:** ASL Letter Translator (Convolution Neural Net), CAPM Derivation, PEEA Report (Panel Regression)

### Milpitas High School

Milpitas, CA

- **GPA:** 4.1 (top 2%) | **SAT:** 1490/1600 | **Activities:** Baseball Team Captain, 180+ Volunteer/Tutoring Hours *May 2017*

## PROFESSIONAL EXPERIENCE

### Peblio

New York, NY

*Data Analyst Intern*

*June 2019 – August 2019*

- Implemented data collection and analysis tools in Google Tag Manager & Analytics to track teacher and student behavior on product website; used data collected to recommend changes that resulted in 20% increased use of unpopular features
- Built long term customer acquisition and retention data analytic tools in Google Analytics for marketing purposes

### Botfactory

New York, NY

*Data Engineering/Visualization Intern*

*June 2019 – August 2019*

- Created standardized procedure to visualize the manufacturing process generating a 3x rise in procedural efficiency
- Utilized Odoo's ORM API to run SQL queries in Python to pull, store, and manipulate inventory & manufacturing data; created a dynamic 'just-in-time' manufacturing scheduler web app GUI in XML to display this data

### Science Gurus

Fremont, CA

*Research Intern*

*June 2016 – August 2016*

- Researched relationship between Bcr-Abl gene and colon cancer to present a comprehensive report to a panel of experts; used cutting edge biotechnology/bioinformatics tools to explore industry process of drug design/discovery

## EXTRACURRICULAR ACTIVITIES

### Campaign Financing Analysis

New York, NY

*Research Assistant*

*September 2019 – Present*

- Using Python to pre-process data from the DIME database and then Tableau to visualize how attributes such as political ideology, election cycle, religion, income levels, etc. affected political contributions towards elections in 1979-2014

### Effects of Immigration and Inequality on Science

New York, NY

*Stern Undergraduate Research Project*

*September 2019 – Present*

- Utilizing machine learning tools to match biographical data for more than 90,000 US scientists and their parents with census records to analyze the influence of parental wealth on career outcomes and invention

### Predictive Behavior Modeling

Shanghai, CN

*HSBC Sponsored Hackathon*

*April 2019*

- Leveraged Pandas and NumPy to parse 1.7 Gb of customer data (both categorical and numerical features) regarding personal transactions, and then Pytorch to predict the binary probability of a new customer buying an HSBC product

### JustPick App

Milpitas, CA

*Personal Project*

*November 2018 – January 2019*

- Designed app using Flutter, to facilitate choosing where to eat among friends; built out app's backend including server and database storage and self-taught graphic design and Google's Material Design, in order to create an attractive UI/UX

### Stock Market Analysis Visualization

Milpitas, CA

*Personal Project*

*January 2018 – February 2018*

- Employed the PyData Libraries to graphically visualize stock ticker data analysis including prices, returns, risk and variability; Monte Carlo simulation, confidence intervals, and correlation charts were used to accomplish these tasks

## SKILLS & INTERESTS

- **Skills:** PyTorch (ML Modeling) · Python (Data Analytic Tools) · SQL · Tableau · Flutter · Excel Solver
- **Foreign Languages:** Gujarati (Advanced) · Hindi (Elementary) · Spanish (Elementary) · Chinese (Conversational)
- **Interests:** Producing Music (Ableton) · Video Editing (Davinci) · Graphic Design (Photoshop) · Email Newsletters