

Mattathias Lerner

Experience

Citymart

Research Manager

New York, NY

03/2018 - 12/2018

BidSpark: Conceived and built out the product at the center of Citymart's pivot and oversaw its code, design and communications strategy.

Automated data collection: Eliminated the use of manual researchers and tripled the size of Citymart's database by writing software to collect, parse, and classify free-text data from across the web.

Data communications: Created data visualizations and articles using insights extracted from internal natural language data and public APIs.

Encrypted vendor platform: Built an encrypted interface to allow vendors to maintain personalized entries in Citymart's database.

The World Bank

Data Scientist

New York, NY

09/2016 - 03/2018

Statistical analysis: Developed an econometric model of the relationship between founder background and entrepreneurial success. Integrated the results as a co-author of widely disseminated research papers.

Data pipeline: Used machine learning techniques to build a data pipeline that automatically classifies free-response data and a probabilistic framework for resolving duplicate records.

Endeavor Insight

Senior Associate

New York, NY

01/2014 - 07/2016

Product management: Designed a network mapping methodology that is still in use by the Global Entrepreneurship Research Network. Managed a team of developers to build the project's technical backbone.

Survey research: Managed large-scale international surveys in countries such as Egypt, Colombia, and Mexico. Conducted statistical analysis and presented results in media interviews and conferences.

Projects and Writing

PAC Explorer

Searchable, interactive visualization for investigating funding networks of political candidates in the 2016 U.S. elections.

"Have Iran Talks Fallen Victim to 'Negotiation Fetishism?'"

The Daily Beast

"Where Does Geneva Leave Us?"

The Daily Beast

Education

Columbia University

M.A. in Quantitative Methods in the Social Sciences

Spring 2019

New York University

B.A in Rationality and Problem Solving
Minor: Mathematics

Spring 2012

American University of Beirut

Intensive Arabic Program

Summer 2012

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Technical

Python



Scikit-learn, NLTK, BeautifulSoup, Pandas, Numpy

Stata



HTML/CSS



R



JavaScript



SQL



D3.js



Bash



Other Skills

Writing



Public speaking



Graphic design



Project management



Knowledge

Data visualization



Econometrics



Machine learning



NLP



Bayesian statistics



Languages

English



Arabic



Spanish

