

MEGHA JAIN

Selected Experience

Metis
Data Scientist

New York, NY
Sep 2016 to Dec 2016

- Used regression techniques to analyze whether winning at a film festival impacts financial success using data scraped from Wikipedia, BoxOfficeMojo, and IMDB.
- Conducted a predictive analysis to determine whether extreme weather events will be declared FEMA emergencies and documented their occurrences in a D3 map.
- Produced a flask app that aggregates art exhibits taking place within the New York metro area and recommends related exhibits based on their press releases.
- Used natural language processing to track how the conversation around climate change has evolved over time and across the country and documented the results with a D3 interactive dashboard.

Urban Green Council
Research Associate

New York, NY
Jan 2016 to Aug 2016

- Analyzed Local Law (LL) 84 benchmarking and LL87 audit databases using Python in support of the New York City Mayor's Office of Sustainability's fourth benchmarking report with topics including identifying trends in energy and fuel use and analyzing the impact of steam distribution on energy use.
- Supported project management with responsibilities including researching technical content for projects and coordinating with external organizations.

Research Fellow

Jun 2015 to Dec 2015

- Devised and refined data cleaning methodologies for Local Law (LL) 84 benchmarking and LL87 audit databases using Python.
- Supported policy proposals for updating the New York City Energy Code.

Research and Policy Intern

Jan 2015 to Jun 2015

- Devised a methodology using Python to clean New York City's Local Law (LL) 84 public benchmarking data, identify and code errors found within, and analyzed the data to support the development of UGC's benchmarking website (www.metered.nyc).
- Researched case studies and worked with website developers and the communications team to accurately report and depict summary statistics.

German Academic Exchange Service (DAAD)
Research Fellow

Berlin, Germany
Oct 2013 to Aug 2014

- Awarded a fellowship to conduct research in Berlin and served as a research assistant to the India-Europe Multilevel Climate Governance Network.
- Assisted in organizing a research conference bringing together 25 researchers from Germany, the Netherlands, and India to discuss the role of multi-level governance structures in facilitating the transition to a low-carbon economy.

ICF International
Research Assistant

Washington, D.C.
Dec 2012 to Aug 2013

- Consulted to the U.S. Environmental Protection Agency's (EPA) ENERGY STAR for Labeled Products program, which aims to promote energy-efficient products in the marketplace.
- Assisted in the collection and analysis of unit shipment data from 1000+ manufacturer partners to determine the market penetration of ENERGY STAR products.
- Supported the development of an online tool for consumers to access information on ENERGY STAR qualified products.
- Assisted in the development of standard operating procedures that addressed key program challenges, e.g., communicating eligibility requirements to 1000+ partners and 10+ certification bodies.

Cassidy and Associates
Business Development and Policy Intern

Washington, D.C.
Sep 2012 to Dec 2012

- Researched a wide range of environmental policy issues including nuclear waste management, shale gas development, and renewable energy development on public lands and identified relevance to clients.
- Contributed to the development of an Excel-based business development tool to organize and monitor client relationships.

Contact

✉ meghaj@alumni.upenn.edu
📍 Brooklyn, NY 11216
in megha-jain
📞 mjain-1

Education

University of Pennsylvania

BA International Relations, Sustainability and Environmental Management 2012
GPA: 3.94/4.0, Phi Beta Kappa, Summa Cum Laude

Skills

DATA SCIENCE

Pandas
Python
scikit-learn
Natural Language Processing (NLP)
flask
Scrapy
Selenium
AWS

DATABASE

MongoDB
SQL

DATA VISUALIZATION

matplotlib
Seaborn
D3.js

LANGUAGE

Spanish

Awards

European Forum Alpbach · Aug
Scholarship Grant 2014

Awarded a grant to attend and participate in seminars with topics ranging from energy transitions to decision making under uncertainty in Alpbach, Austria

Athgo International Climate Change and Entrepreneurship Conference Aug
· 2nd Place 2011

Awarded \$2,000 as part of a 5-person team for a sustainable business proposal