

# MAX CURRIER

# DATA SCIENTIST

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## EXPERIENCE

### Metis · New York, NY Data Scientist

June 2020 to Sept. 2020

Completed an ACCET-accredited, 12-week, immersive data science bootcamp focused on developing skills in programming, statistics, and machine learning. Designed, implemented, and presented five end-to-end data science projects, incorporating fundamentals such as data acquisition and cleaning, database management, feature engineering, statistical modeling and inference, natural language processing, and visualization.

### Gartner · New York, NY

Dec. 2017 to Mar. 2020

#### Senior Project Manager, Data Collection, Gartner for Marketers Practice

Coordinated data needs with eight research teams to deliver 25-30 annual custom large-scale data collection projects. Directed the launch and development of a satellite data collection teams in Gartner's UK and India offices. Charged with developing indicators to measure and monitor data quality and individual data collector performance. Managed the distribution of project assignments and answering all project inquiries for 30 data collection specialists.

- Optimized company-wide data collection model to improve overall data collection efficiency by over 30% and to cut data error rate in half, enabling team output to grow 50% YOY
- Performed data point reconciliation projects to ensure the integrity of company's custom database
- Drafted and standardizing all new survey questions (5000+) in the custom database and refining each research study's data collection methodology to improve data accuracy and facilitate longitudinal analysis
- Expanded team from 15 to 25 members (and counting) over just six months
- Conducted in-depth reviews of collected data in order to maximize the quality of data collection deliverable

### China Beige Book International New York, NY Analytics Manager (2016 - 2017)

Sept. 2015 to Dec. 2017

Coordinated regular, independent data collection from over 3,000 C-suite level executives from questionnaire development through analysis and client deliverable production for the largest private quarterly survey of the Chinese economy covering eight regions, five economic sectors and the Chinese credit, labor and e-commerce markets. Managed team of nine analysts and reported directly to the COO.

- Produced timelines and internal workflow documents to meet project milestones on schedule and within budget
- Conceptualized and produced survey questionnaires and qualitative research screeners and guides
- Devised tabulation specifications and weighting schemes, sampling plans, and general methodology
- Managed vendors and project fielding, including assessing day-to-day field progress, actively troubleshooting fielding issues by identifying problems, making recommendations and implementing solutions, and reviewing partial and final data
- Produced additional cross-tabs in-house for time-sensitive client and media queries

### Analyst (2015 - 2016)

Macro, Retail and Commodities sector analyst for the China Beige Book™. Tasked with analyzing and reporting independently collected data on China's economic growth across multiple sectors and regions.

- Produced analytical memos, briefings and reports, including both written analyses and PowerPoint presentations, for internal, client and media use

### Charney Research · New York, NY Project Manager

Oct. 2014 to Sept. 2015

Managed polling research projects across the firm's market intelligence, international security and international development practice areas. Clients include Alcoa, U.S. State Department, USAID, DAI, CBB International and IREX. Managed team of 10 research assistants and intern. Generated monthly expense reports, cost revenue projections and profit and loss statements.

- China: Coordinated various project milestones and client deliverables as well as performed analysis for China Beige Book™; Conducted a market intelligence study on the Chinese aluminum industry for Alcoa
- Syria: Led background research on local-level reconciliation in post-conflict states prior to the launch of a qualitative public opinion research project
- Afghanistan: Prepared a presentation deck for Ambassador James Dobbins, U.S. Special Representative to Afghanistan and Pakistan, tracking Afghan public opinion between 2004-2014

### Arc Learning Group · New York, NY Director of Chinese Outreach

July 2013 to Jan. 2014

Developed social media marketing strategies. Wrote marketing copy in Mandarin and English. Devised long-term international business development plans for expansion into China.

## EDUCATION

### Connecticut College

2010

Bachelor of Arts (BA) double major in Chinese Language & East Asian Studies  
Cum Laude & EAS Departmental Distinction

### Yunnan Normal University

2009

Duke Study In China Program

### Nankai University

2008

Intensive Chinese Language and Culture Program

## PROJECTS

### Image-based Book Recommendation

- Built a Streamlit app that generates book recommendations from images of users' book collections
- Performs OCR on user-uploaded images with OpenCV and Tesseract and feeds results into a collaborative filtering recommendation engine built on SVD

### Pitchfork "Best New Music" Album Classification

- Used a gradient boosting decision tree algorithm (XGBoost) to predict whether or not a Pitchfork-reviewed album will be classified as "Best New Music"
- Incorporated data from diverse array of sources, including Spotify API and SQLite database, and presented findings via an interactive Tableau dashboard

### Newspaper Publishing Industry Natural Language Processing

- Analyzed newspaper-publishing trade magazine articles by using topic modeling to categorize and quantify industry concern with key themes over time
- Scraped 27 years of articles using BeautifulSoup, utilized AWS EC-2 to perform dimensionality reduction, and visualized findings with interactive Tableau dashboard

### Chinese Box Office Revenue Linear Regression Modeling

- Used linear regression to interpret total gross revenue of internationally released films in the mainland Chinese market
- Generated key insights to improve international film marketing strategy with findings based off 26 years of scraped box office data

## SKILLS

**MACHINE LEARNING:** Regression, Classification, Natural language processing, Neural networks, Deep learning

**PROGRAMMING:** Python, SQL, Bash, Basic JavaScript, Basic HTML

**LIBRARIES & FRAMEWORKS:** Pandas, NumPy, Scikit-learn, Statsmodels, XGBoost, BeautifulSoup, Selenium, NLTK

**DATABASE & CLOUD:** Postgres, MongoDB, AWS, Google Cloud Platform

**PROJECT MANAGEMENT:** Git, Asana, Monday, Jira, Confluence, Harvest, QuickBooks, ADP

**OTHER:** Excel, Google Suite, Google Analytics, Adobe Creative Suite, Tableau, Streamlit

**LANGUAGES:** Advanced Mandarin, Intermediate Spanish

## VOLUNTEERING

Napa Hai Nature Preserve ·  
Community Service Volunteer

Summer  
2010 to  
Summer  
2013

Shangri-La, China

East Asian Studies Student  
Advisory Board  
· Board Member  
New London, CT

2007 to  
2009

Volunteer Mandarin Tutor  
New York, NY

2010 to Current