



Jiacheng Chen

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SUMMARY

- Current **Graduate Student** in **Data Analysis and Visualization**.
- Proficiency in performing data analysis using **R Studio**, **Python**, and **SAS**, and proficiency in creating data visualization works using **Tableau**, **Power BI**, and **Gephi**. Familiar with **geographic information analysis**, proficient in using **QGIS**, **ArcGIS**, and **Leaflet** to create maps.
- Proficiency in designing databases and querying with **MySQL** and **SQLite**. Comfortable using **SPARQL** for queries.
- Have strong **UX** skills in **Information Architecture Design** and **Interface Usability Evaluation**.
- Current **Data Analytics and Visualization Fellow** at the **Metropolitan Museum of Art**.

CERTIFICATIONS, LANGUAGES & INTERESTS

- **Data Analytics Skills:** R, Python, SAS, MySQL, SQLite, SPARQL
- **Data Visualization Skills:** Tableau, Gephi, Power BI, QGIS, ArcGIS
- **UX Skills:** Information Architecture Design, Interface Usability Evaluation
- **Certifications:** Spatial Analysis and Design Advanced Certificate (pursuing), User Experience Advanced Certificate (pursuing), Google Data Analytics Certificate, Course Certificate for Machine Learning

EDUCATION

Pratt Institute

Aug 2021

Master of Science, Data Analytics and Visualization

New York, NY

- Related Courses: Information Visualization, Advance GIS Analysis, Database Design
- Honor: Met Museum Data Analysis & Visualization Fellowship for Collections Information
- Scholarship & Awards, *FA 2022, SP 2023*:
 - Hoffman Scholarship Fund;
 - Hart Scholarship;
 - Library School Graduates Association.
- GPA : 4.0/4.0

Pennsylvania State University

Jul 2016 - May 2021

Bachelor of Science, Statistics Major, IST Minor

State College, PA

- Honors: Dean's List, *FA 2020*;
- Honors: Best Use of External Data, Datafest 2021;
- Related Courses: Analysis of Variance, Applied Regression Analysis, Applied Time Series Analysis, Survey Sampling

Country Day School of Costa Rica

Mar 2013 - May 2016

High School Diploma

Escazu, Costa Rica

- Honors: Citizenship Honor, 2014

PROFESSIONAL EXPERIENCE

The Metropolitan Museum of Art

Sep 2022 - Present

Data Analytics and Visualization Fellow Digital

New York, NY

- Provide analytics on MET's growing online collection (about 500,000 objects currently).
- Work with the Met's Public API to understand what is working, identify areas of improvement, what data visualizations can be created, and explore ways of measuring the use and impact of the API.
- Produce Wikidata visualizations (including knowledge graphs) that show how Met collections connect to other data sets outside the museum.

Weon Technology Co., Ltd.

Jul 2018 - Aug 2018

Data Analyst trainee

Beijing, China

- Assisted the General Manager with database management;
- Responsible for completing the collection and analysis of project bidding data;
- Completed the survival analysis model using R Studio, and analyzed past similar winning bids using time series to predict current or future bids;
- Completed the filtering and utilization of massive data and implemented data exploration, produced data package reports and composed report analysis.

PROJECT EXPERIENCE

Data Literacy with, for, and by Youth

Oct 2022 - Present

Data Analyst

New York, NY

- This project is funded by the **National Science Foundation** and led by *Dr. Leanne Bowler, Dr. Mark Rosin, and Dr. Irene Lopatovska*.
- The project aims to design, build and test a prototype of a data literacy activity for young people to be used in after-school STEM programs in public libraries.
- Cleaned research transcript data for qualitative and quantitative research using R and Python.
- Processed, analyzed, and summarized research data using LIWC-22.
- Composed weekly research reports for the project team and presented findings to the team in occasional meetings.
- Literature reviews.

MET Lab

Sep 2022 - Present

Data Analyst

New York, NY

- Create Data Dashboard for MET's website traffic, MET's Public API usage, and Wiki-related projects media usage to make clear the use of collection information.
- Explore Google search functionality and data visualization possibilities

Significance Validation Test of the Lipstick Effect in Brazil During 1989 to 2016

Sep 2020 - Dec 2020

Team Leader

State College, PA

- This project is part of STAT 470W and was carried out by a team of three who chose their own topics.
- This project was conducted by using Time Series Analysis and Generalized Additive Models (GAM) to analyze the imports of cosmetics in Brazil from 1989 to 2016 to verify whether the "Lipstick Effect" is regionally significant in Brazil.
- The project participated the Undergraduate Research Project Competition (USRESP), *FA 2020*.