

Clara Q. Chen

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EDUCATION

Harvard University

Bachelor of Arts in Statistics (Data Science track)
GPA: 4.0/4.0

Cambridge, MA

Graduating May 2025

Loomis Chaffee School

High School
GPA: 4.236/4.3 – Valedictorian, Cum Laude Society, National Merit Scholarship Winner

Windsor, CT

Graduated May 2021

WORK EXPERIENCE

Universal Music Group (UMG)

Analytics Intern, Island Records

New York, NY

Summer 2023

- Conducted time series analyses to compare streaming data and social media engagement of artists signed to Island's roster and of potential unsigned artists using Python, Jupyter Notebook, and SQL
- Created dashboards and key performance metrics using UMG's BigQuery database that characterize artist growth and fan bases to automate monitoring current artists and identifying new artists
- Developed new regression models with higher accuracy of predicting streams from playlist information

Harvard University Teaching Fellow

Intro to CS, Intro to Probability, Using Big Data to Solve Social and Economic Problems

Cambridge, MA

August 2022 – Present

- Lead weekly labs and office hours to guide students with minimal technical background through exercises and projects in C, Python, SQL, HTML, CSS, JavaScript, and R in computer science, statistics, and economics classes
- Provided feedback on students' weekly problem sets, quizzes, and projects

Ma'ayan Laboratory at the Icahn School of Medicine at Mount Sinai

Bioinformatics Trainee

New York, NY

Summer 2022

- Built a new bioinformatics resource by writing sample code for bioinformatics workflows using Python in Jupyter Notebook, compiling biological data files, and creating a website with HTML and CSS
- Collaborated with other lab members by sharing code and ideas via Github and biweekly lab meetings
- Co-authored a publication submitted to PeerJ for peer review on the newly developed bioinformatics resource

Harvard Business School (HBS)

Research Assistant

Cambridge, MA

January – June 2022

- Worked with an HBS professor as part of the Semester Undergraduate Program for Economics Research
- Cleaned and analyzed datasets with millions of entries on schools, patents, venture capital funding, and economic indicators for a publication on universities and economic growth using R, Stata, and Python

LEADERSHIP & ACTIVITIES

Harvard Data Analytics Group (HDAG)

Director of Discovery Track, Case Team Leader

January 2022 – Present

- Provided data-driven consulting in semesterly case teams to partner companies by analyzing datasets and developing models with machine learning techniques to generate visualizations and economic insights
- Developed and taught a discovery track curriculum for data science beginners, creating teaching notebooks and datasets ranging across topics such as visualization, regression, NLP, and clustering
- Collaborated with the client to develop semester goals and delegated tasks for team analysts to achieve them
- Presented analysis and findings to the client at midpoint and final presentations

Harvard Open Data Project (HODP)

September 2021 – Present

- Completed semester-long bootcamp training in data journalism and data analysis packages in Python and R
- Analyzed changes in Harvard students' interests before and after college by collecting survey data and creating data visualizations using Python for article publication on the HODP website

SKILLS & INTERESTS

- Technical: Python, R, SQL, C, HTML, CSS, JavaScript, Excel, Jupyter Notebook, Github, Matlab, Tableau
- Language: Fluent English; Conversational Chinese (Mandarin) and French
- Other: Piano (Harvard Piano Society publicity chair), Clarinet, Dance, Traveling