

# Clara Q. Chen

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<https://cchen2125.github.io/clara-chen-website>

## 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 Education, 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, Tableau, Excel, Jupyter Notebook, Github, Matlab
- Language: Fluent English; Conversational Chinese (Mandarin) and French
- Other: Piano (Harvard Piano Society publicity chair), Clarinet, Dance, Traveling