Clara Q. Chen

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

EDUCATION

Harvard University	Cambridge, MA
Bachelor of Arts in Statistics (Data Science track)	*Graduated May 2025*

GPA: 4.0/4.0 – Summa Cum Laude, Phi Beta Kappa

WORK EXPERIENCE

JP Morgan Chase	New York, NY
Data Science Analyst	*September 2025-Present*

- Re-engineered the modeling process for headcount forecasting using Python, decreasing manual labor and allowing for more precise monthly estimates for smaller business groups within the company

AIML & Data Science Summer Analyst	*Summer 2024*

- Developed a brand new chatbot integrated with internal data sources to automate retrieving firmwide financial information and provide basic computations, analysis, and visualization, saving hours of manual labor per week
- Implemented backend data processing and response generation pipelines in Python and frontend UI in chainlit
- Constructed a question bank and benchmark code for effective few-shot prompting of the large language model

Universal Music Group (UMG)	New York, NY
Analytics Intern, Island Records	*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 key performance metrics, visualizations, and reports using UMG's BigQuery and Postgres databases 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 Data Analytics Group (HDAG)	*January 2022 – May 2024*
Director of Education, Case Team Leader	

- 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
- Designed 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 University Teaching Fellow	Cambridge, MA
Teaching Fellow	*August 2022 – May 2025*

- Served on the teaching staff of Introduction to Computer Science, Introduction to Probability, Introduction to Causal Inference, and Using Big Data to Solve Social and Economic Problems
- 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

RESEARCH EXPERIENCE

Harvard Radcliffe Institute	Cambridge, MA
Radcliffe Research Partner	*September 2024 – May 2025*

- Developed web-driver pipelines in Python to automatically query music AI websites
- Conducted literature review on the technical workings of generative AI music and compiled qualitative findings on the musical, cultural, and social constructs that seem inform the output of generative music websites

Ma'ayan Laboratory at the Icahn School of Medicine at Mount Sinai	New York, NY
Bioinformatics Trainee	*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
- Co-authored a paper published to PeerJ and PubMed on the newly developed resource "Dex-Benchmark"

SKILLS & INTERESTS

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