

Courtney Kaye Mok

Data Scientist

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SKILLS

Python | Scikit-Learn | PyTorch | Tensorflow | OpenCV | NLTK | Pandas | BeautifulSoup | Matplotlib | Seaborn
SQL | **Java** | **HTML5** | **CSS** | **JavaScript** | NodeJS | puppeteer | D3
Tableau | **Git** | **Google Colab** | **Jupyter Notebook** | **Adobe Photoshop** | **Procreate** | **Clipart Studio**
Languages | Mandarin | Japanese | Cantonese | Korean

EXPERIENCE

General Assembly, Remote

Data Science Fellow

Dec 2021 - Mar 2022

- Acquired, cleaned, explored, and modeled large datasets using Python to present to a technical and non-technical audience while focusing on data science principles.
- Developed a machine learning model using NLP that classified posts between the r/WritingPrompts and r/TwoSentenceHorror subreddits with a 97.22% accuracy.
- Created a rhyme generator using IPA pronunciations and NLP to help songwriters find potential rhyming words for their lyrics. Unlike mainstream rhyme generators I've math-ified IPA pronunciations to find perfect, family, additive/subtractive, and assonance rhymes. So far I have built a rhyming dictionary for over 30,000 English words.

CellGain Wireless, Middlesex NJ

Data Engineering Intern

Jul 2020 - Oct 2021

- Designed an organizational system in collaboration with company engineers using python's pandas and csv libraries to help track and digitize over 2000 inventory items to optimize efficiency for the company's non-technical resource acquisitions and product production teams.
- Automated the search for potential contractor bids using NodeJS and puppeteer web scrapers by (leading a team + explanation), which resulted in decreasing company-wide bid search times by 90%.

Barnard College, New York NY

Introduction to Data Visualization

Jan 2020 - May 2021

- Scraped and cleaned raw data from laboneko and obtained the geolocation data of every train station in Japan with LocationIQ's geocoding API and Python's csv library.
- Collaborated using Tableau and JavaScript's D3 library to explore data and create a data story with interactive data visualizations hosted on a github domain webpage (<https://japantrainincidents.github.io>)

EDUCATION

General Assembly

Certificate Data Science Immersive

Dec 2021 - Mar 2022

Barnard College of Columbia University

B.A. in Computer Science – Intelligent Systems

Aug 2016 - May 2020