

Courtney Kaye Mok

EDUCATION

Barnard College of Columbia University, New York NY

August 2016 – May 2020

B.A. in Computer Science – Artificial Intelligence

Relevant Coursework:

Artificial Intelligence, Natural Language Processing,
Data Visualization, Visual Interfaces to Computer Systems,
Probability and Statistics, Linear Algebra

WORK EXPERIENCE

CellGain Wireless, Middlesex NJ

July 2020 - PRESENT

Software Engineer

- Led a project that automates the search for potential contractor bids
- Created multiple web scrapers using NodeJS and puppeteer to obtain raw data and filtered out irrelevant contracts
- Implemented a re-design of the company website

PROJECTS

Jinshin Jiko — JavaScript (D3), Python

- Cleaned raw data and obtained geolocation data of every train station in Japan with a geocoding API and Python
- Collaborated using Tableau to find relationships of statistical importance
- Created interactive data visualizations as a team using JavaScript D3 and hosted them with our findings on a webpage

Link: <https://japantrainincidents.github.io/>

Sentiment Analysis — Python (Scikit-Learn, PyTorch)

- Trained and developed dense neural network and a recurrent neural network models using Scikit-Learn and PyTorch
- Assigned one of several emotions in the training data to a list of tweets

Paper Doll — Python (OpenCV)

- An application that allows the user to try on clothing and accessories using their webcam
- Modeled points on the body and face on a live video using OpenCV and haars cascades
- Transformed articles of clothing to fit the models and superimposed them over the live video

CONTACT

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TECHNICAL SKILLS

Programming Languages:

Python (Scikit-Learn,
PyTorch, OpenCV)
Java
JavaScript (NodeJS,
puppeteer, D3)
SQL
HTML5/CSS

Data Modeling:

Tableau

Collaboration:

Git
Google Cloud
Jupyter Notebook

Graphic Design:

Adobe Photoshop
ClipArt Studio
Procreate

LANGUAGES

Fluent:

English
Mandarin

Conversational:

Cantonese
Japanese
Korean