

MATTHEW LEE

PERSONAL INFO

I am a high school student who is enthusiastic about programming. I enjoy the process of creating code, debugging it, and the frustration when you get stuck with an error. I am deeply passionate about what I do and wish to further pursue coding.

ACHIEVEMENTS

- Instructor at Code Club Canada
- Participated in Digital Media Academy Camps in University of Toronto
- Proud member of the robotics, math club, Model United Nations and computer science club at Unionville High School

GET IN TOUCH

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PROJECTS

Kijiji Web Scraper

- Using BeautifulSoup4, the python script allows items on Kijiji on a specific search term to be logged. The web scraper can be used for various utilities like trends on items sold or just to inspect prices. Challenges I faced were preventing how the items would overlap each time it did a check and preventing the webhook from breaking after duplicate runs happened.

Semantic API

- The Semantic API is an API that uses the tensorflow model to predict the similarity of two words and gives back a percentage as a JSON file or outputted in the front-end

CovDiction

- Using a machine learning model trained from data provided with Hong Kong's government. I trained a model to predict the infection of Covid-19 with the age and the sex of the person. The machine learning model is run on the backend using flask and the frontend with html and bootstrap.

ACADEMIC BACKGROUND

United Christian College (Kowloon East) [HK]

- Left UCCKE in 2019 Summer
- Honour roll student for 4 years

Unionville High School [CA]

- Started going to UHS in 2019 Summer
- Honour roll student for a year
- Achieved a score of 100 in computer science

SKILLS & INTERESTS

I am familiar with python, java, html and css. I've worked with multiple libraries like pandas, matplotlib, numpy and also frameworks like Flask. I love challenges and problems that take me time to solve and I love working with others that have more experience than me so they can teach me skills and techniques that I would have never been able to grasp myself. My interest is mainly programming, math, however I have a few side hobbies like basketball, reading books, and looking at new inventions and having debates about new technologies or special things like nature and business with my host family.