

# 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.