

Suqing Liu

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Education & Skills

UNIVERSITY OF TORONTO, MISSISSAUGA | 2020 – 2024 | COMPUTER SCIENCE SPECIALIST

- **Related Coursework:** ML, Deep Learning and Neural Network, Applied Probability, AI, databases
- **Related Certificates:** Google Data Analytics Certificate, AWS Cloud Practitioner Certificate
- **Related Skills:** Python (external libraries, TensorFlow), Java, C/C++, AWS Cloud Computing, and SQL

Projects

IMAGE RECOGNITION FOR BICYCLE BASKET | SUMMER 2022

- *Trained a DL Image Recognition model to determine whether a bicycle basket contains an object.*
- Inspired by my friend's aunt's project where they store public shared bikes overnight and put them on the street the following day. Baskets for bikes must be empty before placing them in the storage center.
- Communicated with his aunt to Gather and label 550 pictures of bicycle baskets from the same angle.
- Implemented YOLO v7 to train and validate the model with Transfer Learning since data size is small.

"TWITTER COMPARE BOT" | SUMMER 2022

- *Created a Sentimental Analysis bot with Python that gathers tweets from Twitter to compare two topics.*
- Fetched 1000 tweets from Twitter API for both topics to generate the average Sentimental Score of each topic, assuming that the one with a higher score is the one most people prefer.

"ASIOS" – NFT BRAND | WINTER 2021

- *Delivered our first collection with 1888 NFTs. Worked on generating and publishing NFTs with python.*
- Lead a team of 5 friends to create an NFT Brand to promote diversity and inclusion for Asian communities in the Metaverse. Link to our Website: <https://www.asios-studio.com/>.
- Utilized functions that randomize attributes with their weight to create an NFT and automated the process of uploading NFT with an auto click program. Sped up the entire process from a week to a day.

Work Experience

RESEARCH ASISTANT | UOFT | SUMMER 2022

- *Analyzed student surveys of past Algorithms lectures to build a new way to teach Algorithms.*
- Cleaned student feedback in tabular. Graphed and analyzed which part they prefer by designing a new form of video series that solves previous weak points and keeps length down from 40 to 15min.
- Checked copy right of gathered resources such as images to make sure there was no violation of IP.

PROJECT MANAGER | JD.COM | SUMMER 2021

- *Worked under JD's logistics department building an online web product called JingHui that helped sellers manage their storage and status of shipments.*
- Built graphical representation of JingHui's operation data weekly (#of users, #of new users, #of times website was opened, #of times used for each function. Etc.) and analyzed these data for insights which provided guidance to the team's roadmap. Generated with SQL and drawn with Excel.