

# TIANZE(TOM) YANG

✉ tianze.yang@mail.mcgill.ca · ☎ (+1) 5145609523 · in TianzeYang

## EDUCATION

---

**McGill University**, Montreal 2020 - present  
B.Sc. Honor Probability and Statistics, Minor Computer Science, Expected Graduation Date: June 2023

## INTERNSHIP/PROJECTS

---

**ML Engineer; Website(Full stack), Android Developer.** Montreal Sep 2022 - Present

- Develop Monkeypox Screening AI and Pipeline on Website, Android App, and Autonomous Vehicle using **Angular, Python + Flask, Efficient Net + DCSAU Net etc., Google Cloud, HTML, CSS**
- Mentor: Dr. Shaoshan Liu, Prof. Xue Liu

**Quantitative Risk Management(QRM) Data Analyst Intern.** Montreal Sep 2022 - Present

- Understand and Apply QRM Principles on Financial Data using **R, Extreme Value Analysis, Time Series Analysis**
- Mentor: Prof. Christian Genest

**Website(Full stack) Developer& AI Model Engineer.** Montreal July 2021 - Present

- Develop Medical AI Assistant and Build the Interactive Platform *OmicsForum* using **Python, Rasa, Discourse, Java+JS, MongoDB, HTML, CSS**
- Mentor: Prof. Jianguo Xia

**ML Intern** Montreal. March 2022 - Sep 2022

- Understand and Apply Fundamental Reinforcement Learning Techniques such as Multi-armed Bandits and Finite Markov Decision Process, using **Python**
- Mentor: Prof. Yi Yang

**ML Engineer & Data analyst** Montreal. May 2022 - Sep 2022

- Analyze Human Scanpath Data and Model Human Visual Search Behaviours using **Python, Zero-shot Invariant Visual Search, Bottom-up Inverse Reinforcement ML Learning, Matlab**
- Mentor: Prof. Suresh Krishna

**ML Engineer.** Montreal Sep 2021 - May 2022

- Classified Neuroscience Database Usage Information and Achieved 80% Accuracy Using **Python, Sequential Neural Network, Bayesian Regression, Logistic Regression**
- Mentor: Prof. Jean-Baptiste Poline

## SKILLS

---

### Math

Linear Regression, Nonparametric Statistics, Probability, Statistics, Vector Calculus, Applied Linear Algebra, Discrete Mathematics, Reinforcement Learning, R

### CS

Python, Keras, Flask, Google Cloud, Angular, Rasa, Database(Postgresql, Sqlite, MongoDB), Computer Vision, Tensorflow, OpenCV, Java, C, Matlab, HTML, CSS

## REWARDS/LEADERSHIP

---

McGill University Renewable Annual Scholarship	2020-2023
Deans Honor List( Wing Hing Chan Scholarships in Science)	2020-2021
Huawei Seeds for the Future 2021 Graduate	2021
Mari Hack	2020