

# JAMES TING

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jamesbting.github.io

## SKILLS

- Programming Languages:
  - Java, Python, JavaScript, CSS, HTML and C, C++
- Technologies/Environments:
  - Linux (Ubuntu, Raspbian OS), Windows, Git, PyTorch, Tensorflow/Keras, Jupyter Notebooks, REST APIs, NodeJS, React

## GENERAL SKILLS & INTERESTS

- Languages:
  - Fluent: English, French, Chinese (Cantonese)
- General Skills:
  - Experienced in Office products such as Word, Excel and PowerPoint
  - Experienced with Slack and Asana as tool for collaboration
- Interests/Hobbies:
  - Machine learning and it's applications to aerospace, cyber security, and social activism
  - Pilot, with a Private Pilot License with Night and Multi-Engine endorsements

GITHUB:



LINKEDIN:



WEBSITE:



## EDUCATION

**BACHELOR OF SCIENCE, COMPUTER SCIENCE MAJOR**  
**SEPT 2018 - APR 2022 (EXPECTED)**

McGill University - Montreal, Canada

cGPA: 3.85/4.0

## PERSONAL PROJECTS

### FLUENT-C: A PROGRAMMING LANGUAGE

C, LEXER, AST, PARSER | DEC 2019 - JAN 2020

- Constructed a new interpreted programming language called Fluent-C, using a lexer to generate tokens, then generate the Abstract Syntax Tree (AST) to then execute the Fluent-C source code provided by the user.
- Has support for strings and functions

### PATHFINDING ALGORITHM VISUALIZER

REACTJS, NODEJS, PATHFINDING ALGORITHMS | JUNE 2020 - PRESENT

- Used ReactJS to build a single page web application that allows users to draw walls and see how different algorithms work
- Implemented algorithms include Dijkstra's algorithm, A\* Search, DFS and BFS.

### LEAGUE OF LEGENDS MATCH OUTCOME PREDICTION WITH DEEP LEARNING

DEEP LEARNING, PYTORCH, RIOT GAMES API | MAY 2020 - PRESENT

- Created a Binary Classification Neural Network using the PyTorch library to determine the outcomes of League of Legends matches
- Achieved a 92% validation accuracy on a self-made dataset containing 10 019 data points

## EXPERIENCE

**VP Web Developer: McGill Student's Flying Club**  
MONTREAL, CANADA | JUNE 2020 - Present

- Used the ReactJS framework, MongoDB and Firebase to upgrade and deploy the club's website into a dynamic, modular, and maintainable code base

**CO-PRESIDENT: HONG KONG STUDENT NETWORK**  
MONTREAL, CANADA | FEB 2020 - PRESENT

- Responsible for overseeing all club events and activities, and coordinating the Internal, External, Financial and Communications teams
- Represent the club with to all external entities, including but not limited to student unions, other clubs, and outside companies.