JAMES TING

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PROGRAMMING KNOWLEDGE & SKILLS

- Programming Languages:
  - Experienced in Java and Python
  - JavaScript, CSS, HTML, Bash and C (Currently learning)
- Programming Knowledge:
  - Experienced in object-oriented development, data structures, algorithms, and data analysis
  - Command-line programming, low-level system programming, UNIX, multi-language/system integration programming, encapsulation, design patterns and unit testing. (Currently learning)
  - Currently enrolled in a machine-learning fundamentals course
- General Knowledge
  - Single/multi variable calculus, linear algebra, discrete mathematics
- Software Experience:
  - IntelliJ, PyCharm, Visual Studio code, Raspbian OS

GENERAL SKILLS & INTERESTS

- Languages:
  - Fluent: English, French, Chinese (Cantonese)
- General Skills:
  - Experienced in Office products such as Word, Excel and Powerpoint
  - Experienced with Slack 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

EDUCATION

BACHELOR OF SCIENCE, COMPUTER SCIENCE MAJOR
2018 - 2022 (EXPECTED)
McGill University - Montreal, Canada
cGPA: 3.81/4.0

PERSONAL PROJECTS

PERSONAL WEBSITE
FRONT-END DEVELOPMENT | DEC 2019 - PRESENT

- A basic website that serves as an online version of my resume, and was built as an introduction to HTML and CSS
- Currently in the process of transitioning from being hosted on GitHub, to being hosted on my Raspberry Pi

LOGIN SYSTEM
CYBERSECURITY | DEC 2019 - PRESENT

- A login system that has a Tkinter GUI, a cryptographic hash function and a database to store all the account information
- The program interacts with the database using the SQLite3 to store, read and update the table stored in the database.

SUDOKU GAME
BACKTRACKING ALGORITHIMS | DEC 2019

- Created a Sudoku game in Python, which includes a GUI, solver, stopwatch and a Sudoku generator
- GUI was built using Tkinter and the solver used a recursive backtracking algorithm to solve the boards

EXTRA CURRICULARS

VICE-PRESIDENT TECHNOLOGY: HONG KONG STUDENT NETWORK
MONTREAL, CANADA | NOV 2019 - PRESENT

- Setup of all audio visual equipment to ensure a positive experience for attendees
- Enabling technologies to reduce the workload and improve marketing for the club
- Current projects include the making of a new website and an automated text message confirmation system for event sign ups

strike_pose: Pose similarity detection
hack_mcwics 2020 - MONTREAL, CANADA | JAN 2020

- Used wrnchAI's pose detection API to develop a similarity model that detects if 2 poses are similar regardless of subject height, size or relative position

GITHUB:

LINKEDIN:

WEBSITE: