Hayden Long Hei Mak

(647) 870 - 0572 | hayden.mak@mail.utoronto.ca | linkedin.com/in/haydenmlh | github.com/haydenmlh

EDUCATION

University of Toronto   Toronto, ON
Honours Bachelor of Science in Computer Science – cGPA: 3.78   *Sep. 2019 – May 2023*

RELEVANT COURSEWORK

- Data Structures and Analysis
- Software Design
- Algorithms Analysis
- Software Tools and Systems Programming
- Computer Organization
- Introduction to Software Engineering
- Principles of Programming Languages
- Algorithm Design and Analysis

PROJECTS

Doodle Jump Clone (Language: MIPS Assembly),   April 2021
- Used the display module in MARS IDE for MIPS Assembly language to simulate a screen
- Manipulated memory to change the pixels on the simulated screen and work on the logic of Doodle Jump. Features included score keeping, changing message and smaller and smaller platforms.

Transit System Simulation (Language: Java)   December 2020
- Applied the MVC model to create a transit system simulator for subways and train lines. The simulator had an interface to add lines/stations, calculated fares, and users could view their balance and previous trips.
- Developed the backend for the storage of the transit network and the parsing of the input into the user properties

Personal Website (Languages: HTML, CSS, JS) haydenmlh.github.io   May 2021
- Used the fundamental languages of web development (HTML, CSS, JS) to construct a personal website
- Received feedback from users to improve the layout and format of the website

EXPERIENCE

Photos Editor   Jul. 2021 – Current
The Medium. themedium.ca   *Mississauga, ON*
- Curated photographs for all articles for the weekly newspaper issue for the publishing process
- Organized the photography team of 300 student volunteers to cover events and take photo assignments
- Organized the individual team headshot schedule and posting onto the Medium website

Logistics Officer   Aug. 2021 – Current
UTM Computer Science Student Community (CSSC)   *Mississauga, ON*
- Planned and executed initiative ideas such as International Student Experience and in-person meetup
- Facilitate the smooth logistics of CSSC events online
- Organized and coordinated an online scavenger hunt for the Deerfrosh MCS Orientation

Facilitated Study Group Leader for CSC148   Jan. 2021 – April 2021
University of Toronto Mississauga   *Mississauga, ON*
- Planned and executed lesson plans for the weekly Facilitated Study Group sessions for CSC148 of 5-20 students
- Collaborated with other FSG Leaders to operate the FSG sessions

PROGRAMMING SKILLS

Languages: Python, Java, C, JavaScript, HTML/CSS, Racket, Haskell
Developer Tools: Git, Docker, VS Code, PyCharm, IntelliJ, Eclipse, R Studio
Frameworks: Flutter