

Morris Ma

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| in/morris-ma

SKILLS

LANGUAGES

- Python
- C++
- HTML
- CSS
- JavaScript
- LaTeX

TOOLS & SKILLS

- Linux
- Docker
- Cypress
- Git
- Jenkins
- Arduino

AWARDS

HONOUR IN LEADERSHIP AWARD

Simon Fraser University

PHYSICS OLYMPIC - 7TH IN BC

University of British Columbia

EDUCATION

UNIVERSITY OF WATERLOO

B.ASc MECHATRONICS
ENGINEERING CANDIDATE

RELEVANT COURSES

MTE 140: Data Structure & Algorithm (C++)

MTE 262: Digital Logic & Microprocessors

Machine Learning - Stanford University (Coursera)

INTERESTS

- Aviation
- Basketball
- Baseball

WORK EXPERIENCE

MAPPEDIN INC. | SOFTWARE TESTER

Sep 2019 - Dec 2019 | Waterloo, ON

- Dockerized and developed automated UI testing scripts using **Cypress**, sped up QA process by up to **50%**
- Developed mobile location sharing feature for indoor navigation using **Web Share API** & implemented multilingual capability with new UI components using **HTML, CSS & JavaScript**
- Improved quality of core company products by conducting **End-to-End testing, Regression testing, Performance testing**
- Designed standard testing procedures for consumer products from scratch

SUN LIFE FINANCIAL | IT SUPPORT TECHNICIAN

Feb 2019 - Apr 2019 | Toronto, ON

- Troubleshoot LAN, desktop/notebook hardware and software issues
- Configured 250+ corporate computers with Pixi Server & SCCM
- Assisted in corporate Windows 10 migration in an office of 500+ employees
- Investigated solutions to error codes during PC imaging process

JACOBS ENGINEERING GROUP INC. | HIGH SCHOOL INTERN

Mar 2018 - Mar 2018 | Burnaby, BC

- Performed quality checks on electrical and piping diagrams by proposing and revising mistakes
- Exposed to Electrical, Transportation, Environmental, Water Resources departments by handling small assigned tasks

PROJECTS

PERSONAL PORTFOLIO (CURRENTLY WORK IN PROGRESS)

- Constructed using **HTML, CSS & JavaScript** for implementing icon animations
- Included **Google Analytics** to track how many people visited the website
- Deployed onto **AWS**

ARCADE SPACE INVADERS

- Developed using **Python** and **pygame** modules
- Project conducted to gain exposure to **Python** and **Object-Oriented Programming**

DISH WASHING ROBOT

- Programmed mechanical system & sensors in **RobotC**
- Tested mechanical and software issues through cycle testing

VOLUNTEER EXPERIENCE

SIMON FRASER UNIVERSITY | SUMMER YOUTH PROGRAM LEADER

Summer of 2017 & 2018 | Burnaby, BC

- Communicated and interacted with 150+ camp participants of all age groups by leading multiple recreational games, science experiments
- Provided one on one support to young participants who had a difficult time adapting to the new environment