

# Ho Hin NG, Arthur

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## Skills

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|------------------------------|--|
| <b>Proficient in</b>         | Python, Java, HTML, CSS  |
| <b>Prior Experience with</b> | C, C#, Arduino, JavaScript, Linux  |
| <b>Understanding of</b>      | Version Control, Agile Development, Object-Oriented Programming, Design Patterns |

## Education

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### University of Toronto

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

- 3.67 GPA

*Toronto, Ontario*  
*May 2019 - PRESENT*

## Work Experience

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### Mathnasium of Milton

INSTRUCTOR

- Worked with 3 other instructors to tutor 15 students every hour before lockdown
- Helped multiple students initially failing math achieve their first 90+%
- Updated students' parents on how their child is doing by establishing clear communication
- Created multiple customized curriculum's for students
- Transitioned to remote work due to COVID-19 and helped students adapt to online learning

*Milton, Ontario*  
*Jan 2020 - PRESENT*

## Projects

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### Stop YouTube Procrastination

CHROME EXTENSION

- Developed a Google Chrome extension that disables YouTube to increase productivity
- Able to disable YouTube for a set amount of time
- Used HTML, CSS, and JavaScript to develop the extension

*Feb 2021*

### City Transit System

COURSEWORK

- Designed and developed a city transit system using Java
- Applied Object-Oriented Programming model to create a payment system
- Applied strategy design pattern for vehicle type classes
- Program read data of customer trips to determine analytics such as overall revenue and operating costs
- Worked in a team of 4 individuals using agile methodology and used git for version control

*Nov 2020*

### File Compression/Decompression

COURSEWORK

- Created a program that performs lossless compression and decompression of files using Python
- Utilized Huffman trees for compression and decompression
- Applied post, preorder and inorder tree traversal
- Averaged a 1.5:1 compression ratio

*Mar 2020*

## Honors & Awards

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|------|--|
| 2019 | <b>University of Toronto Scholars</b> , Scholarship for the University's outstanding students at admission |
| 2019 | <b>University of Toronto Entrance Scholarship</b> , For students with an overall average of 92.0% — 94.9%  |