

# Ho Hin NG, Arthur

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## Skills

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**Familiar with:** C, Python, Java, HTML, CSS  
**Prior Experience with:** C#, Arduino, JavaScript  
**Understanding of:** Version Control, Agile Development, Object-Oriented Programming, Linux, Design Patterns

## Education

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**University of Toronto** Sept 2019 - Present  
Bachelor of Science in Computer Science  
- 3.67 GPA

## Experience

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**Mathnasium Instructor** Jan 2020 - Present  

- 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 curriculums for students
- Transitioned to remote work due to COVID-19 and helped students adapt to online learning

## Projects

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**City Transit System | Course work** Nov 2020  

- 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
- Worked in a team of 4 individuals using agile methodology
- Used **git** for version control

**File Compression/Decompression | Coursework** Mar 2020  

- 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

## Achievements

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**University of Toronto Scholars Program**  

- Scholarship for the University's outstanding students at admission. Approximately 700 admission awards which have a value of \$7,500.

**University of Toronto Mississauga Entrance Scholarship**  

- Entrance scholarship for students with an overall average of 92.0% – 94.9%.