

Ho Hin NG, Arthur

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Skills

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

Education

University of Toronto

BACHELOR OF SCIENCE IN COMPUTER SCIENCE
• 3.67 GPA

Toronto, Ontario
May 2019 - PRESENT

Work Experience

Mathnasium of Milton

INSTRUCTOR

Milton, Ontario
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 curriculum's for students
- Transitioned to remote work due to COVID-19 and helped students adapt to online learning

Projects

Stop YouTube Procrastination

CHROME EXTENSION

Feb 2021

- 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

City Transit System

COURSEWORK

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
- 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

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

Honors & Awards

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