

# Iain Mcilveen

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## EDUCATION

Bachelor of Science Honour's, Computer Science (Co-op), **CGPA: 11.4/12 (A)**

Carleton University, Ottawa, ON

September 2018 - April 2023

- Awarded 12,000\$ entrance scholarship
  - Currently learning systems programming, programming paradigms, algorithm time complexity, fundamental data structures and web development
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## SKILLS

- Proficient in several programming languages including: **Python, Java, JavaScript**, and **C**
  - Experience in designing and implementing scalable **REST APIs** using **Node.JS** and **Express**
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## EXPERIENCE

### Teaching Assistant

Carleton University, Ottawa, ON

September 2019 – December 2019

- Held office hours, answering questions and helping students gain an improved understanding of the core fundamental programming concepts
- Led tutorials, explaining programming concepts in front of a group of students and correcting any problems students encounter
- Worked with a team of other Teaching Assistants to complete marking and give feedback in a timely manner

### Open House Volunteer

Carleton University, Ottawa, ON

February 2019

- Volunteered at the Carleton University Fall open house to help answer student questions about Carleton's Computer Science program
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## PROJECTS

- Made use of object-oriented programming techniques in Java such as inheritance and polymorphism to create an efficient and scalable 2d game engine
- Developed web applications using HTML, CSS, JavaScript, Nodejs and Express designed to dynamically display a series of images and associated information in a visually pleasing manner to the user
- Designed finite state machine based artificial intelligence in Python and Pygame, to compete in competitions against other similarly designed AI