

# Jayden Nikifork

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## Education

### Harvard University

Remote

Introduction to Computer Science - CS50x

October 2021 - December 2021

- Introduction to programming languages of C, Python, Javascript, HTML, and CSS
- Equivalent course material to year one of Harvard Computer Science

### McMaster University

Hamilton, ON

Bachelor of Engineering (Co-op)

GPA: 4.0/4.0

September 2021 - Present

- \$3000.00 entrance scholarship recipient
  - Planning to specialise in **software engineering**
  - Relevant coursework: Introduction to Python programming language
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## Featured Projects

🌐 [JaydenNikifork.github.io/projects](https://JaydenNikifork.github.io/projects)

### QLearn

- Developed a virtual classroom organiser website using the Python Flask library
- Log in, sign up, and class specific announcements and problem sets features implemented via a MySQL database
- Styling done with Bootstrap CSS

### Elastic Collision Simulation

- Constructed a 2D collision physics simulation for different size, mass, and speed rectangles
- Graphics were created using the Pygame library
- Collision detection was integrated without the use of external libraries

### MoneyPrinter

- Developed a console-based cryptocurrency paper trading bot using Python
  - Minutely price data from various cryptocurrencies collected via the Kraken Exchange API
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## Skills

**Languages:** Java, Python, C, JavaScript, HTML, CSS, SQL, Racket

**Technologies:** MySQL, Bootstrap, Pygame, Flask, Jinja2, Git, VS Code, PyCharm

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## Employment History

### Code Ninjas

Richmond Hill, ON

Coding Camp Instructor

June 2021 - August 2021

- Taught Lua, JavaScript, Scratch and 3D modelling to children ranging in ages 8-16
  - Took initiative to improve and adapt given lesson plans
  - Over 75% of my students enrolled in addition programs
  - Collaborated with fellow camp instructors to establish a fun and safe learning environment
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## Awards

**Academic Achievement Awards:** Calculus and Vectors, Physics

St. Theresa of Lisieux CHS

**Certificate of Distinction:** Euclid Mathematics Contest

CEMC, University of Waterloo

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