

GORDON HAMILTON

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SUMMARY

Grade 11 International Baccalaureate student with a keen interest in Physics, Mathematics and Computer Science.

EDUCATION

Notre Dame Catholic Secondary School

Sept. 2017 - Current

IB Courses: SL Physics, SL Math, SL French and HL Chemistry

Centre linguistique du Collège de Jonquière

July 2019 - Aug. 2019

Explore Exchange Program: French Studies Certificate - 86%

SKILLS

PROGRAMMING LANGUAGES: C++, Python, JavaScript, CSS, HTML

WEB DEVELOPMENT: NodeJs, Bootstrap, jQuery, Express, MongoDB, Flask

VERSION CONTROL: Git

PROJECTS

Particle Fire Simulator

Aug. 2018 - Aug. 2018

- Developed Particle Fire simulation using C++ Language
- Programmed the path and interaction of the particles created and subsequently visually depicted their interaction using the SDL Library
- Gained experience in Object Oriented Programming, GUI development and C++ programming

Link: <https://github.com/gord02/ParticleFire>

Languages/Tools: C++, SDL Framework, Markdown, Git

Patatap Clone

Aug. 2019 - Aug. 2019

- Fullstack project that visualizes keypresses and adds sounds
- Used frontend programming to display circles of randomized colors and sounds based on keyboard presses using Howler.JS
- Created a Web application to serve the project using Flask Framework

Link: <https://github.com/gord02/Patatap>

Languages/Tools: Python, Flask, Javascript, Howler.js, HTML, CSS, Git

ACTIVITIES

Science Club, Founder, Sole Facilitator

Mar. 2018 - Current

Club for students to explore and share their passion for science with others. Aims to create a community to increase student interest in pursuing science as a career after graduation.

Varsity Chess Club, Club member

Sept. 2017 - Current

Regularly attend meetings and practices to represent Notre Dame in Regional competitions.

World Issues, Volunteer Member

Nov. 2018 - June 2019

Participated in activities for the betterment of society through fundraising campaigns and social events that promote awareness of both global and local issues within our community

ONLINE COURSES

- Web Development Bootcamp (2019-2020)
- Beginner C++ (2018)
- Advanced C++ (2019) In Progress
- Python Beginner Class (2019)