

GORDON HAMILTON

✉ gordon.hamilton1110@gmail.com 🌐 gordon-hamilton.com ☎ 289-946-3359 in gordon-c-hamilton 🗣 gord02

SUMMARY

- Grade 12 student with a keen interest in Physics, Mathematics and Computer Science.
- Experience in Backend and Frontend web development

EDUCATION

Notre Dame Catholic Secondary School

Sept. 2017 - June 2021

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

Awards: Honour Roll 2018 and 2019 for maintaining 80%+ average in Pre-IB Programme

EMPLOYMENT

Checkup, Software Engineering Intern, Toronto, Ontario

Mar. 2020 - Aug. 2020

Machine Learning Platform Team

- Checkup is a Forge backed Company that provides a Mental Health platform for post-secondary institutions
- Developed Full-Stack internal tool to process and store customer experience tickets into a NoSQL database
- Assisted CTO in the implementation of a machine learning algorithm using BERT to classify customer experience tickets
- Developed Checkup's first public web application using Flask framework and hosted it on Heroku

Languages/Tools: Python, Javascript, Flask, NodeJS, Express, MongoDB, Mongoose

Google 2020 Virtual Summer Series, Participant, Toronto, Ontario

July 2020 - Aug. 2020

- Google's Virtual Summer Series gives students the opportunity to develop their CS skills and prepare for the technical interview process
- Learned how to implement and analyze fundamental Data Structures and Algorithms in the C++ language

PROJECTS

Covid Check-In

Aug. 2020 - Current

- Project created to help limit amount of people in a store by having users sign-in once in a store or area, and allowing others to be aware of how many are in this area at a time.
- The Frontend of this application is built with React and authentication is handled via Firebase Auth
- The Backend for this project will be done in Flask along with a Redis Caching Layer to reduce database read load

Languages/Tools: Python, Javascript, Flask, React, Firebase, Redis, MongoDB, Mongoose

Particle Fire Simulator

Aug. 2019

- 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

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

SKILLS

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

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

DATABASE TECHNOLOGIES: MongoDB, Mongoose, Firebase

PACKAGE MANAGEMENT: Conda, NPM

VERSION CONTROL: 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 that sparks student's interest in pursuing science as a career.

ONLINE COURSES

- Web Development Bootcamp (Udemy, 2019)
- Advanced C++ (Udemy, In Progress)
- Data Structures and Algorithms (Coursera - University of California San Diego, 2020)