# George Girgis

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## Education

**Carleton University** 2019 – 2024
*Bachelor of Computer Science: Computer and Internet Security Stream* *Ottawa, ON*
*Concentration: Co-op program*

Availability: 4-8 months
Current Overall CGPA: 10.72/12
Current Major CGPA: 10.44/12

## Highlight of Qualifications

- Programming languages: C++, C, Python Java and JavaScript
- Completed parts of an airline using C++ in a Unix environment. Applied Object-Oriented Programming (OOP) principles such as multiple inheritance, polymorphism, encapsulation, abstraction, and templates for scalability, flexibility, and robustness
- Created a text-based C program, applied multi-threading in a Unix environment, and made a pseudo-code, to ensure all necessary tools to the GUI program are applied such as array of pointers, multiple runners and mutex
- Coded a C program in a Unix environment, which provides the end user with the ability to encrypt and decrypt messages using a secret key to protect against cracking encrypted messages
- Learned the efficiencies of data structure sorting algorithms in Python such as bubble sort, counting sort, and selection sort
- Bilingual in English and Arabic

## Work Experience

***IT Programmer Analyst (full time) at CRA, Ottawa ON*** *Sept 2021 - Present*

- Cleaned up the backend microservices code on 6 files
- Devised and documented ePayroll Simulation Environment
- Designed the front-end on 14 files of the Event Driven Architecture (EDA) ePayroll PoC Project and uploaded the project to Gitea
- Conducted research on 4 new emerging technologies applicable to ePayroll project
- Created a Virtual Machine (VM) on AZURE ePayroll using Command Line Interface (CLI)

***Sales Associate (part time) at RW & Co, Ottawa, ON*** *Jan 2020 - Aug 2021*

- Maintained inventory room with great efficiency
- Greeted customers warmly, offered assistance and informed them about latest store promotions
- Helped customers by actively engaging in discussions about their needs and products that fit them

***Compulite Inc (Co-op program), Ottawa, ON*** *Feb - Jul 2019*

> Set up 30 clients' computers and workstations off site at 2 corporate companies
> Organized up to 20 inventory stocks
> Installed windows 10 as well as any missing software programs on clients' computers

***Intern at Nokia (Future Tech Program), Ottawa, ON*** *Jul - Aug 2018*

> Devised and documented 15 different platform sizing models to greatly simplify the created customer proposals
> Upgraded 1 complex Big Data and Analytic product meeting deadlines
> Researched various technologies such as Jaspersoft to meet currently unsatisfied market demands

***Digitera Marketing (Co-op program), Ottawa, ON*** *Feb - Jun 2018*

> Created basic apps like calculator and food menus using Android Studio
> Revamped the old version of the night club disco app using Android Studio
> Added photo-shopped background color designs to the night club disco app

## Projects

***Website Development & Design*** *Jan 2022*

Created, designed and deployed my portfolio website using HyperText Markup Language (HTML), JavaScript (JS), Bootstrap and Cascade Style Sheets (CSS). Additionally, used Adobe photo-shop to add animated images

***Store / Warehouse*** *Dec 2021*

Programmed an inventory system for a store using C++ and applying OOP principles in a Unix environment. Additionally, implemented data structures, such as linked list, arrays, and created a high level UML Diagram of the software

***AutoPark Inventory*** *Jul 2020*

Completed an auto park assignment in Java using OOP

***Minesweeper game*** *Mar 2020*

Programmed a minesweeper text-based version game using Python. Implemented tools such as functions, nested and regular for loops, print statements, conditional statements, and recursion

## Extra Curricular Activities

**Carleton University hackathon** *Jan 2020, Nov 2019*

Applied tools learned at school to analyze "Murder on the second floor raw data.json" using Python, File I/O, for loop, conditional statement, and print statements Gained experience in the use of GitHub tools