Alhoussine Khallil

1500 Walkley Road Apt. G3, K1V 0H8, Ottawa, Ontario, Canada
+1 819 319 7317
housinekhallil@gmail.com

*September 2021-**Present***

Bachelor of Computer Science Honours (Minor in Business)

Carleton University, 7.80 CGPA

Relevant Courses

Abstract Data Types and Algorithms [***COMP2402***]
Introduction to System Engineering [***COMP2404***]
Introduction to System Engineering [***COMP2401***]
Introduction to Business Information and Communication Technologies [***BUSI1402***]

Projects

Web Socket-based Chat

- I built a client-side implementation of a chat application that communicates with a server using socket.io.
- The client-side code is written in HTML and JavaScript.
- The code provides functionality to connect to a chat server, send public messages, and send private messages to one or more users.

GPA System

- Uses the C language and Standard Input/Output library.
- Made a program that reads student data (student number and GPA) from the user, validates the input, and then orders the data by GPA in descending order.
- Makes Analyzing Student Performance Easier

Map-bio

- Uses Python and the Pygame Library.
- The code I wrote generates an 8x5 grid map of random tile images selected from either the ‘Desert’ or ‘Forest’ category.
- I built a program that reads the generated map data from the file and loads the corresponding images in a Pygame window with a ‘Desert’ or ‘Forest’ art style, depending on what the user chooses.
- Flexible to change the style of the map.

The Rise of TikTok

- This paper which I wrote with the collaboration of three other undergraduate students, explores the growth and impact of TikTok, how it has transformed from an entertainment site to a platform for activism, and economic opportunities.
- The information about TikTok was collected from various sources such as newspaper sites, blogs, and personal experience.
- The paper touches on how the app is designed to keep engagement high.
- The paper also discusses TikTok’s uncertain future due to state restrictions, and strong competitors.

Skills

Programming Languages

- C, C++, Python, Java

Computer Software and Technology

- Git, IntelliJ IDEA, Visual Studio
- Virtualization, Emulation, Linux

Statistical Analysis Software

- IBM SPSS, Office Excel

Web development

- HTML, CSS, JavaScript

Libraries

- Pygames, Socket.io

Other

- Problem-solving, Critical thinking
- Communication, Collaboration

Miscellaneous

Cyber Security
Video Games
Soccer
Cinema and Photography
Psychology

Volunteering

- Tutoring younger students
- Assisting with organizing events