Tarek Elalfi

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SUMMARY OF SKILLS AND QUALIFICATIONS

Operating Systems | Windows • IOS • Mobile

Applications | Microsoft Office• Visual Studio codes • Eclipse• PyCharm

Programming| Java• Python • HTML •CSS •JavaScript• UML • React • C, C++, C# • SQL

Other| GitHub

Languages • English Spoken & Written | Arabic Spoken & Written| French Spoken(basic) & Written(basic)
Licenses & Certifications| Valid driving License

EDUCATION

Bachelor Software Engineering Co-op   **2021- 2025 (Expected)**
- Concordia University, Montreal, QC
- GPA: 3.84
- Member of the Institute for Co-operative Education
- Dean's List (2022): Achieved an annual GPA higher than 3.75
- • Relevant Courses: Data Structures and Algorithms | Principles of Programming Languages | Object Oriented Programming I and II | and Web Programming

DEC in Pure and Applied Science   **2019-2021**
Marianopolis College, Westmount, QC

WORK EXPERIENCE

Maintenance data reliability DB-Report Developer
Bombardier Inc.   **August 2022– December 2022**
400 Blvd. Côte-Vertu Ouest, Dorval, QC
- Implemented a VBA-based system to automate the data entry process for aircrafts. It splits all the delimited files into columns, convert the CSV to Excel format then import the files to the Microsoft Access database. it resulted in a 50% reduction in manual errors and a 25% increase in data entry efficiency and reduction of time.
- Maintained and improved a Microsoft Access database using queries and VBA to track, filter and report on equipment maintenance activities, improving data accuracy.
- Collaborated with cross-functional teams to identify and resolve data integrity issues, ensuring the reliability and accuracy of data maintenance.
- Created and maintained documentation for all database systems and processes, improving team efficiency and knowledge sharing.

Core Competencies: VB.net, Microsoft Access Queries, Excel (VBA, pivot tables, queries), teamwork.

PROJECTS

Career Service Application (In progress)   **2023**
Concordia University, Montreal, QC
- Led a team of 6 developers in the design and development of a comprehensive job application website.
- Implemented new features and functionalities such as employer job posting, client job application, and resume management.
- Utilized Agile methodologies to manage project timelines and deliverables, ensuring the project was completed on time.
- Utilized technologies such as React for the front end, Node.Js for the back end, and MongoDB for the database to develop the website, providing an intuitive and user-friendly experience.

Grocery Website (Full-Stack) 2022

Concordia University (www.Zfooder.ca)

- Organized a team of 6: Organized meetings and tasks, Organized Objectives and goals, and helped teammates communicate, debug and create the website.
- Created the main page, product page and cart page. I connceted the product page and cart page to be able to dynamically add items from the product page to the cart and also store and update the data in the data base.
- Created fully dynamic and responsive pages with a database to store the information of the users
- Used: HTML, CSS, Bootstrap, JavaScript, XML and PHP

Budget Management Website (React) (In progress) 2022

Personal

- Created a web app that manages your financial situation depending on the user's income and spending.
- Every client can login to their accounts which holds their personal financial information.
- Used: React.js

Snake and Ladder (Java) 2022

Concordia University, Montreal, QC

- Created a snake and ladder game using Java programming language with my partner which strengthened my skills in object-oriented programming and team orgnization.
- Sorting the players in order and determining their turns improved my understanding and skills for arrays in programming and the how sorting methods work and the sorting types.
- Created an interactive game that the user can input the number of players (up to 4 players) and the game runs until there is only one winner.
  Core Competence: OOP programming skills, Gaming skills, Java Classes, 2D arrays.

VOLUNTEER WORK

Open house guide 2022

Concordia university, Montreal, QC

- I was a tour guide for Concordia University taking the open house visitors for a tour around the university's software and computer science department answering all the questions the visitors had in mind about software engineering program and co-op program.

Event organizer 2017

Centre ABC, Montreal, QC

- I helped the municipal organizing events by serving drinks and organizing the events that happened.
- Communicated with my teammates and general people to ensure their satisfaction with the events.

INTERESTS

Experience Abroad	I travelled to Germany in (2014), and Morocco in (2016)
Reading	I love reading novels for the writers George Orwell especially his novel *Lord of the Flies*
	I also love reading suspense stories by the writer Agatha Christie.
Sports	Played in Marianopolis soccer team for the season of 2019. Our team qualified to the
Passions	Quarter finals. Also played for the Egyptian premier league under 16 years-old in 2015 for Cairo university team.
	I also played basketball for telecom Egypt team under 18 years old in 2016