

# SHADI JIHA

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## SUMMARY OF SKILLS AND QUALIFICATIONS

**Applications** | GitHub • Microsoft Office • Microsoft Visual Studio • Eclipse • IntelliJ

**Programming** | C/C++ • C# • Java • JavaScript/TypeScript • HTML • CSS • PHP • Angular (Beginner) • React (Beginner) • Prolog • LISP • Ruby • AspectJ • UML

**Languages** | French - Spoken & Written • English - Spoken & Written • Arabic - Spoken & Written

**Licenses & Certifications** | Valid driving permit

## EDUCATION

**Bachelor of Software engineering – General program Co-op**

**2019–2023 (Expected)**

Concordia University, Montreal, QC

- Member of the Institute for Co-operative Education
- Relevant Courses: **Object oriented programming, Data structure and Algorithms, Web programming, Principal of programming languages.**

**DEC in Pure and Applied Sciences**

**2019**

Cégep de Sorel-Tracy, Sorel-Tracy, QC

## WORK EXPERIENCE

**Beginner Software developer**

**June 2019–September 2019**

Maison Lenoblet-du-pleissis Museum, Contrecoeur, QC

- Building a small inventory system for Culture C's shop

**Core Competencies:** Back-end and Front-end knowledge (HTML, CSS, JavaScript, NodeJS, electron)

**Website and social media manager**

**May 2018–September 2019**

Bijouterie Hamel, Contrecoeur, QC

- Managing store's social media and interacting with clients
- Responding and keeping the store's website up to date

**Core Competencies:** Oral and written communication, Decision-making, Teamwork

**Day Camp Leader**

**June 2017–August 2017**

Camp de jour, Contrecoeur, QC

- Collaborate in the organization and animation of special days
- Ensures the safety of children

**Core Competencies:** Teamwork, Patience, Vigilance

## PROJECTS

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### 2D OpenGL renderer (Personal)

2019

- Built a 2D engine in C++ using OpenGL, GLFW, and ImGui.
- Involved a lot of mathematics such as: Vector calculus, sorting algorithms.
- A full sophisticated 2D engine that has a renderer, event system, etc.

**Core Competencies:** Core Matrix and Vector manipulations, Understanding computer graphics and 2D rendering, OpenGL knowledge.

### Small inventory System for Culture C (Personal)

2019

- Built a Graphical user small inventory system using NodeJS, HTML and CSS.
- Understanding how databases work, Dealing with DOM elements and Asynchronous programming.

**Core Competencies:** Critical thinking, Problem analysis, Dealing with Events.

### 2D HTML canvas game (Personal)

2018

- Built a 2D game using HTML5, CSS and JavaScript
- Involved a fair amount of mathematics such as: Collision detection
- Involved a lot of client-side programming such as: Dealing with DOM elements, Dealing with 2D graphics rendering, Deep knowledge in object-oriented programming.
- Involved a lot of server-side programming such as: Sockets sending and handling, Saving to databases with NodeJS

## VOLUNTEER WORK

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### Library Organizer

August 2015-April 2016

Public library, Contrecoeur, QC

- Helped improving book searching and sorting in the public library of Contrecoeur

## INTERESTS

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### Reading

Physics, math and programming books

### Sports

Soccer, badminton

### Passions

Gaming, programming, physics