


MOHAMED GUEYE

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Education

Concordia University

Sep 2022 – May 2026

Bachelor of Engineering, Software Engineering

Montreal, Quebec

Relevant Courses: Object-Oriented Programming I and II, Web Programming, Principles of Programming Languages, Data Structures and Algorithms, Software Process and Practices

John Abbott College

August 2020 – July 2022

Diploma of Collegial Studies, Pure and Applied Science

Montreal, Quebec

Dean List (2021, 2022)

Projects

Car Rental Web Application (Academic) | *Source Code*

Svelte | NestJS | PostgreSQL

- Designed and developed the user interface using Svelte and Tailwind CSS, focusing on creating a seamless and responsive user experience across different devices
- Implemented server-side logic using NestJS, which included managing car listings, booking functionalities, and user profiles
- Utilized PostgreSQL for data management, ensuring secure and efficient handling of user and booking data.

Tic Tac Toe (Personal) | *Source Code*

ReactJS | HTML | CSS

- Developed a web-based game using ReactJS, showcasing functional components and hooks for state management
- Created a dynamic game board with real-time updates and player turn indication
- Implemented win and draw detection, ensuring accurate game outcomes

Lesson Scheduler (Academic) | *Source Code*

Java | SQL

- Developed a Java-based software system with SQL integration to manage lesson offerings and bookings for an organization.
- Implemented unique scheduling algorithms to handle concurrent users, including administrators, instructors, and clients, with concurrency restrictions.
- Designed a relational database to ensure data consistency for bookings, user registrations, and instructor availability across multiple locations.

To-Do List (Personal) | *Source Code*

NodeJS | ExpressJS | PostgreSQL

- Developed a simple Todo List application using Node.js, ExpressJS, and PostgreSQL
- Implemented features to add, edit, delete, and view items in the todo list
- Designed a user-friendly interface for managing tasks efficiently
- Set up PostgreSQL for database management and ensured smooth CRUD operations

Blog (Personal) | *Source Code*

NodeJS | ExpressJS | EJS

- Developed a Blog web application using NodeJS, ExpressJS, and EJS
- Enabled users to create, view, update, and delete blog posts
- Utilized EJS for dynamic HTML rendering and CSS for styling

Simon Game (Personal) | *Source Code*

JavaScript | jQuery | CSS

- Developed a classic memory game using HTML, CSS, JavaScript, and jQuery with dynamically generated sequences for endless gameplay.
- Implemented visual and audio cues alongside increasing difficulty levels to enhance memory retention and player engagement.

Technical Skills

Languages: Python, Java, SQL, HTML5, CSS, JavaScript, jQuery, EJS

Libraries/Frameworks: ReactJS, Svelte, PostgreSQL, NodeJS, NestJS, ExpressJS

Tools: Postman, Insomnia, Git, Microsoft (Excel, PowerPoint, Word)