

Samy Mezimez

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Education

Concordia University – Bachelor of Software Engineering

Expected May 2027

Montreal, QC

Relevant Coursework: Object-Oriented programming (**Java**), Data Structures & Algorithms, Full-Stack Web Development (**React**, **NodeJS**), Software Process and Practices (**Agile methodology**, **DevOps**), Operating Systems (**Multithreading**, **Deadlocks**), Formal methods in Software Engineering, Software Management, Measurement & Quality Control, Software Architecture & Design, Software development principles and practices, Software Testing & Verification.

Projects

Bike Sharing Web Based Application

September-December 2025

- Implemented secure authentication with role-based access for riders and operators.
- Built a user profile system with payment integration and detailed ride history.
- Developed bike management and analytics tools for operators to monitor fleet health and usage.
- Integrated a map **API** to display real-time station locations, bike availability, and return points.
- Created engagement features including a leaderboard and community forum to enhance user interaction.
- Collaborated in a team of five using **React**, **JavaScript**, **Node.js**, **Express**, and **SQLite** to deliver the full-stack platform.

Topographical analysis of planet terrain with 3D mapping

February 2025

2nd Place – PolyHacks 2025

- Collaborated in a team of four to design and implement a program to analyze topographical data from a map and convert it to a 3D-rendered map of a planet, highlighting flat zones.
- Developed an algorithm to identify the regions in which terrain was of similar elevation with different modifiable parameters
- Utilized **React**, **TypeScript**, **Vite**, and **Three.js** to process data and render 3D visualizations

Project Manager – Web Application Development for Peer Assessment

October-December 2024

github.com/Cemi-am/Bat_Boys

- Led a team of 5 members in a project aimed at designing a web application using **CSS**, **JavaScript**, **Node.js**, **Express**, and **MySQL**.
- Developed and integrated authentication features to enable differentiated access for students and instructors.
- Designed a system allowing users to conduct peer assessments, with data stored in a **MySQL** database.
- Coordinated team tasks, managed responsibilities, and ensured project deadlines were met.

Skills

Programming: Java, Python, C/C++, C#, HTML, CSS, JavaScript

Frameworks: React, Node.js, Express.js

Concepts: Full stack, Rest APIs, CI/CD Pipeline, Agile, DevOps, OOP, Unix,

Tools: Unity, Git, GitHub, VS Code, Eclipse, MySQL, SQLite, MongoDB

Languages: Native French, Native English

Experience

First-Aid and CPR Instructor, Red Cross/Heart & Stroke Foundation – Montreal, QC

January 2024 – Present

- Certified First Aid/CPR/AED and BLS Instructor delivering hands-on, scenario-based training to diverse groups while ensuring compliance with current safety standards.
- Trained hundreds of students and earned consistently positive feedback for effective instruction and strong client rapport.

Sales Specialist, Apple – Montreal, QC

October 2023 – April 2024

- Exceeded sales targets by leveraging deep Apple ecosystem expertise and delivering personalized customer experiences, including telecom provider setup.

Specialist, Best Buy – Montreal, QC

August 2021 – August 2023

- Delivered high-quality customer service and built strong rapport that drove repeat business and high satisfaction ratings.