

Nirav Patel

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EDUCATION

Concordia University

Bachelor of Software Engineering (CO-OP Program)

Montreal, QC

Sep. 2022 – May 2026

EXPERIENCE

SDK Specialist

Genetec Inc.

September 2023 – December 2023

Montreal, QC

- Provided SDK consulting services to Genetec's development partners, including troubleshooting, custom application development, and knowledge sharing.
- Worked in a dynamic environment, gaining hands-on experience with cutting-edge security solutions.
- Demonstrated strong technical skills in C# and Microsoft Visual Studio, while maintaining effective communication in both English and French.

PROJECTS

BlogWiz | *Java, JavaFX, Maven, Eclipse*

September 2023 – October 2023

- Created "BlogWiz," a Java-based blog content management application with SSH authentication, intuitive interface, and file management capabilities.
- Implemented features like file exploration, text editing, and real-time logging.

TaskManagerWPF | *C#, WPF, Visual Studio*

September 2023 – October 2023

- Developed a feature-rich task management application using Windows Presentation Foundation (WPF) and C# to enhance skills in WPF and C# development.
- Followed a roadmap with stages, including a basic task list with add, edit, delete, and list functions, task properties customization, and the ability to save and load tasks from various data storage methods.

PySimulator | *Python, Tkinter, VS Code*

September 2023 – October 2023

- Developed a Python-based "2D Projectile Motion Simulator" for visualizing and simulating 2D projectile motion, allowing users to input launch parameters and visualize trajectories.
- Features include the ability to simulate projectile motion, visualize trajectories with Matplotlib, and display critical metrics like maximum height, range, and time of flight. Users can adjust the x and y-axis ranges, toggle grid lines, and clear the plot.

ArduinoCart | *C++, Arduino*

January 2020 - May 2020

- Developed an "Autonomous Arduino Cart" project involving a team effort with members to create an obstacle-course robot with multiple sensors and a servo motor for autonomous navigation.
- Implemented three operational modes: remote control for manual operation, wall-following for autonomous wall tracking, and tape-following mode for tracking colored tape on the ground.

SCHOLARSHIPS AND AWARDS

Schouela Family Concordia Entrance Scholarship

September 2022

- Recipient in recognition of academic excellence and leadership.

Adopt-a-Student Concordia Entrance Scholarship

September 2022

- Acknowledged for outstanding achievements.

Quebec Lieutenant Governor General Bronze Youth Medal

June 2020

- Honored for exceptional contributions and dedication to the community.

TECHNICAL SKILLS

Languages: Java, C#, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS/PHP

Frameworks: React, Node.js, Flask, WPF, Tailwind CSS, Bootstrap

Developer Tools: Git, Github, Jira, TFS, VS Code, Visual Studio, IntelliJ, Eclipse, Arduino, Maven, Unity Engine

Libraries: Tkinter, Three.js, Matplotlib