

Kishan Patel

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EDUCATION

University of Toronto

Bachelor of Applied Science in Computer Engineering + PEY Co-op

3.8 GPA, Toronto, ON

Sep. 2023 – Apr. 2028 (expected)

EXPERIENCE

IT Summer Intern

Roska DBO Inc.

May 2024 – Aug. 2024

Grande Prairie, AB

- Developed two cloud-based databases using Knack, enhancing equipment tracking systems, reducing costs by **100%**.
- Designed and maintained a user-friendly interface using **HTML**, **CSS**, and **JavaScript**, resulting in improved department coordination, boosting operational efficiency.
- Created comprehensive software documentation by providing detailed instructions and descriptions, resulting in a seamless transfer upon my departure.

Team Lead

University of Toronto - Engineering Strategies and Practicies II

Jan. 2024 – Apr. 2024

Toronto, ON

- Supervised team members' contributions by setting clear goals and evaluating performance, ensuring successful development of a fetal heart rate (FHR) monitor design.
- Delegated tasks effectively using Gantt Charts to track progress, ensuring all project milestones were met on time.
- Implemented rigorous testing to validate the design's signal processing, ensuring that all requirements were met and leading to positive feedback from the client.

Library Assistant

Edmonton Public Library

Sep. 2022 – Mar. 2023

Edmonton, AB

- Trained new hires, equipping them with essential skills, resulting in improved team performance.
- Delivered exceptional customer care by efficiently addressing inquiries and resolving issues, leading to increased satisfaction.
- Assisted in organizing community events by coordinating logistics, strengthening relationships with library-goers.

PROJECTS

University of Toronto Robotics Association SUMO | C++, Arduino, SolidWorks

Sep. 2024 - Present

- Collaborating with a team to design the mechanical and electronic systems of a robot to autonomously detect and engage with battle opponents.
- Developing physical design using SolidWorks, ensuring durability and performance in competition.
- Developing control algorithms using an Arduino and C++ to drive the robot's sensors and motors, optimizing its performance in detection, strategy, and movement during battles.

TTC Bus Tracker | JavaScript, DOM Parsing, Leaflet Maps, JSON, APIs

Aug. 2024 – Sep. 2024

- Developed a real-time TTC bus tracking web application capable of tracking **200** bus routes using **JavaScript** and **Leaflet**.
- Parsed XML data from the TTC API via **DOM** parsing, updating live locations of buses every **30 seconds**.
- Created and maintained a **JSON** file containing essential information for each route, improving the accuracy of displayed directional data.
- Integrated custom map icons to visually represent buses and routes, providing an intuitive, interactive experience for real-time transit tracking.

Othello Reversi | C

Mar. 2024

- Developed an Othello game in **C**, allowing users to play against themselves or a competitive **AI** player.
- Employed a **minimax** algorithm to evaluate potential moves and enable strategic **AI** gameplay.
- AI player ranked **15th** out of **500+** students when competing against peers.
- Designed an intuitive user interface to enhance the gameplay experience.

TECHNICAL SKILLS

Languages: JavaScript, Python, C/C++, HTML/CSS

Developer Tools: VS Code, Visual Studio, Knack, Unity, SolidWorks