

# DIYAR POUR YOUSEF

Kitchener ON, Canada

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## Education

### Wilfrid Laurier University

*Bachelor of Science in Computer Science*

Sep. 2022 – May 2026

*Kitchener, ON*

## Relevant Coursework

- Data Structures
- Calculus
- Algorithms Analysis
- Database Systems
- Discrete Structures
- Object Oriented
- Programming
- Linear Algebra
- Logic and Computation

## Experience

### YMCA

2018 – 2020

*Youth Activities Volunteer*

*Kitchener, ON*

- Volunteered as an assistant karate instructor. Peaked at the green belt level. Responsible for keeping students aged 7-15 behaved while teaching at the same time.
- Volunteered as a helper for the youth sports programs. The kids playing in these sports were aged 6-10. My responsibility was to make sure that the kids weren't misbehaving while playing sports with them. Obtained 100+ hours

### Maple Grove Public School

2018 – 2019

*Assistant Karate Instructor*

*Kitchener, ON*

- Volunteered to help out my Sensei from the Ar Kaufman YMCA to teach kids karate. The students were aged 4-10 in 2-hour sessions.
- Completed around 20 hours of volunteering. Maintained a friendly attitude to give the kids the best learning experience.

### Fastenal

Feb 2021 – June 2023

*Picking Employee*

*Kitchener, ON*

- Learned to perform multiple tasks in a fast paced factory environment
- Highly motivated, self directed and customer service oriented.
- Work to help all team members with issues and complications in order to ensure a smooth and fluid workflow and prevent product stoppage.

## Projects

### Sudoku Solver | *Python, VSCode*

January 2023

- Developed an efficient backtracking algorithm in Python to solve Sudoku puzzles.
- Implemented a recursive function to systematically fill in blank cells, ensuring each row, column, and 3x3 grid adheres to Sudoku rules.
- Optimized the algorithm to reduce solving time by reducing unnecessary iterations and backtracking steps.
- Utilized Python to create a seamless user experience.

### Personal Portfolio Site | *JavaScript, HTML, CSS, Github, Visual Studio Code*

November 2023

- Implemented a visually captivating and fully responsive personal portfolio website with adherence to SOLID principles, employing HTML, CSS, and JavaScript.
- Utilized advanced version control through GitHub, fostering collaborative development and streamlined code management.
- Showcased proficiency in front-end technologies, ensuring a dynamic and user-centric interface through strategic application of design principles.

### Transaction Management GUI | *Java, Eclipse, JavaFX*

September 2023

- Designed a sample banking transaction system using Java to simulate the common functions of using a bank account.
- Used JavaFX to create a GUI that supports actions such as creating an account, deposit, withdraw, list all accounts, etc.
- Implemented object-oriented programming practices such as inheritance to create different account types and databases.

## Technical Skills

**Languages:** Python, Java, C, HTML/CSS, JavaScript, SQL, React

**Developer Tools:** VS Code, AWS, Firebase, Canva, Notion, Figma, Github, Eclipse, Android Studio

**Technologies/Frameworks:** Pandas, AWS S3, Latex, Linux, Expo Go, SocketAPI, fullPage