Wajeeh Alam

📞 +437 440 4399   ✉ alamwajeeh@gmail.com   📍 75 Cultra Square, Toronto, Ontario   ⓞ Wajeeh

Education

Sir Wilfrid Laurier C.I, International Baccalaureate Program   Sept. 2022 - June 2026
- Ontario Secondary School Diploma | International Baccalaureate Diploma

Projects

Hand Sign Gesture Recognizer   ⓞ
- Developed a **real-time** sign language interpreter able to **detect** ASL sign language gestures
- Facilitated creation of **gesture recognizer**, training data and program
- Used **OpenCV** and **MediaPipe** w/ Python 3

Fridge2Table   1. ⓞ 2. ⓞ
- Designed a **website** able to find and create recipes from only available household items
- Used **HTML**, **CSS**, **Javascript** and **Spoonacular API**

Todoist   ⓞ
- Developed a **full-stack** interactive **to-do list** website able to manage and create tasks
- Used **React.js, HTML/CSS** for the frontend, **Node.js**, **Express.js** for backend, and **Mongoose** w/ **MongoDB** for data storage/retention

Extracurricular

Computer Science Club, Python Mentor   October 2022 - Present
- Taught over **15** people **Python** for over **30 hours** throughout the school year through biweekly meetings
- **Conceptualized** and **taught** a computer science course for practical **programming**

Engineering Club, Mechatronics Mentor   Nov. 2023 - Present
- Taught **mechanical** and **programming** principles to apply to real world scenarios revolving around hand-based project building
- **Led** and directed the creation of Single Purpose Machines with school materials

FRC Robotics   Sept. 2023 - Present
- Assisted in the **programming**, **electrical** and **mechanical** team for the FRC Robot
- Used electrical machinery to create and **prototype** parts for testing as well as learned the **Java FRC** library

Technologies

Languages: Python, HTML, CSS, JavaScript, C#, Java (FRC)

Frameworks/Libraries: NumPy, OpenCV, Mediapipe, Discord.Py, Node.JS / React.JS, Java

Software: GitHub/Git, Visual Studio Code, Pycharm, Eclipse, XCode, Unity