

Gurjas Dhillon

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EDUCATION

University of Waterloo

Bachelors of Mathematics — Presidents Scholarship

Waterloo, ON

Sept. 2025 – present

Vincent Massey Secondary School

High School

Windsor, ON

Sept. 2021 – 2025

EXPERIENCE

CSC President

Computer Science Club

Sept 2023 – Present

Vincent Massey Secondary School

- Creating lesson plans for intermediate and senior streams of the club involving data structures and advanced computer algorithms in python and C++
- Creating lesson plans for front end and back end content
- Give out lessons to the kids

MasseyHacks Finance Executive

Vincent Massey Secondary School

Sept 2023 – June 2025

Windsor, Ontario

- Drafted the sponsor ship prospectus and transparency report
- Composed emails for sponsorship outreach and communication
- Created and managed the budget for the event

CodeReach Co-Director

Vincent Massey Secondary School

Sept 2022 – June 2025

Windsor, Ontario

- Responsible for creating the CodeReach website and setting up the communication platform for sending announcements, answering questions, etc.
- Mentoring the kids, answering any questions

First Robotics Senior Programmer Team 4903

Vincent Massey Secondary School

Sept 2022 – Sept 2024

Windsor, Ontario

- Developed a computer vision program for object detection using a Jetson Nano
- Helped with the Swerve Modules and programming the drivetrain
- Helped programming autonomous set paths for the robot
- Documented all resources for future years in a website

Hack Club Software Executive

Vincent Massey Secondary School

May 2024 – June 2025

Windsor, Ontario

- Currently developing lesson plans for front end, back end, and mobile development to prepare students for hackathon competitions
- Currently budgeting the club and finding sponsors for potential sponsors

AWARDS

EMACS 2024

May 2024

- Top 30 Grade 11 students from all across Canada come together annually for this week-long workshop.

Secondary School Programming Contest '24 First Place

Dec 2023

- Competed against schools in the Greater Essex region with a team of 3 chosen through a qualifying contest

CEMC Math Contests

2024

- Fermat Group 2 — top 1% (144/150) CSMC Group IV – top 1% (50/60) Hypatia Group V – top 5% (32/40)
Placing in the top 1% of competitors with a score of 144 out of 150

TECHNICAL SKILLS

Languages: Java, Racket, Python, C/C++, C#, JavaScript, TypeScript, HTML/CSS

Frameworks: React, React Native, NextJS, Node.js, Flask, Material-UI

Developer Tools: Git, MongoDB, Rest APIs, Firebase, Docker, VS Code, Visual Studio, PyCharm, IntelliJ

Libraries: pandas, NumPy, Matplotlib