Hargun Sibal

🌐 **Personal Website**

○ **@hargun-27**

✉ **hsibal@uwaterloo.ca**

in **@hargunsibal**

SKILLS

Tools & Languages: Python, Scikit-Image, OpenCV, C++, Java, HTML, CSS, JavaScript, Onshape, Github, Git, VSCode

AWARDS & SCHOLARSHIPS

Gerald G. Hatch LTD Scholarship

Given to one individual out of 150 students who have shown exemplary achievements in academics, innovation, and leadership in the community

Ontario Principals' Council Award for Student Leadership

Given to one student who has demonstrated excellence in academics and has participated in a wide range of extra-curricular activities

Iroquois Ridge High School Model UN Award

Awarded to a student who has demonstrated perseverance and spent countless hours improving the school community

DECA ICDC Qualifier and Competitor

Top 10 award out of 100 teams in an international business case competition

EDUCATION

University of Waterloo
Sept 2021 - Apr 2026

Candidate for BASc. in Systems Design Engineering

Relevant Courses: Digital Computation (C++), Graphics Lab (Onshape), Introduction to Design

WORK EXPERIENCE

Hatch LTD — 2021 June - 2021 Aug
Software Engineering Intern — Mississauga, ON

- Developed a vision system in a coilbox circulatory plant using **Python**, **OpenCV**, and **Scikit-Image** libraries to identify poor shapes and improve accuracy by 100%
- Improved edge detection and eliminated obstructions in images by 90% by applying filtering techniques in Python, including RANSAC, convex hull mapping algorithms, and background subtraction

Spirit of Math Schools — 2017 Sept - 2021 June
Assistant Teacher — Mississauga, ON

- Taught 24 high school and elementary school students weekly in an accelerated math program
- Increased overall averages of students by 13% resulting in the highest performance evaluation rating by the manager

Ashlin BPG — 2017 June - 2017 Sept
Digital Production Intern — Oakville, ON

- Directed and created 15 promotional stop motion videos using **Adobe Photoshop** and **iStopMotion** for leather goods
- Increased viewership on the YouTube channel by 130%

COMMUNITY & PROJECTS

Ontario Youth Medical Society Website — 2021 June - 2021 Sept

- Built a responsive web application adhering to accessible design principles in **JavaScript**, **HTML**, and **CSS**
- Led Google Sheets **API** integration to store users' contact information
- Increased traffic to the page by 110%, servicing over 200 users for the Ontario Youth Medical Society
- Streamlined the design and planning process using Notion

Trailhacks Hackathon — 2020 Sept - 2020 Dec

- Co-founded and planned a local Hackathon that was held for 40+ students in the Halton region
- Championed sponsor outreach, promotion, and external event planning resulting in 10 organizational sponsors
- Created a **Python** workshop showcasing fundamentals of data structures and algorithms

Shad Fellow — 2019 July - Present

- Participated in a month-long entrepreneurial program at the University of Calgary alongside 63 other high-achieving secondary school students
- Designed a self-containing plastic-eating bacteria, Ideonella Sakaiensis, as a solution to Canadian waste
- Awarded the Best Business Plan award out of 8 teams