Hargun Sibal

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in @hargunsibal

SKILLS

Languages

Python, JavaScript, C++, Java, HTML, CSS, Bash/Shell

Tools + Libraries

Scikit-Image, OpenCV, NodeJS, Firebase, React, Github, Git, VSCode

AWARDS & SCHOLARSHIPS

Gerald G. Hatch LTD Scholarship

Awarded to an individual out of 150 students who has shown exemplary achievements in academics, innovation, and leadership in the community

Ontario Principals' Council Award for Student Leadership

Awarded to one student who has demonstrated excellence in academics and has participated and shown leadership in a variety of extracurricular activities

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++)

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

fitConnect - Hack the North   2021 September

- Created a web application that allows users to share their goals, interests, and any other relevant information to connect with others who share similar fitness objectives
- Used **React** for the front-end development and **Google Firebase** for the back-end, specifically for the authentication services
- Streamlined and programmed the chat feature using **chatengine.io**

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