Hargun Sibal

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EDUCATION

University of Waterloo   **2021 - 2026**
Candidate for BASc. in Systems Design Engineering   *Waterloo, ON*
- Cumulative GPA: 88% (3.9/4.0)
- Relevant Courses: Digital Computation (C++)

TECHNICAL SKILLS

- **Languages:** Python, C++, JavaScript, HTML/CSS, Bash, Turing
- **Frameworks, Tools & Libraries:** React, Node.js, AWS Lambda, Git, Jira, Scikit-Image, OpenCV, Three.js, Matplotlib

WORK EXPERIENCE

Deloitte   **Jan 2022 - Present**
Frontend Engineering Intern   *Calgary, AB (remote)*
- Currently working with the frontend team on Ontario's COVID-19 Worker's Income Protection Benefit portal

Hatch   **June 2021 - Aug 2021**
Software Developer 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

COMMUNITY & PROJECTS

Systems Design Engineering Class Profile Software Lead - 2022
- Tasked the role as the software team lead for the class profile
- Give insight and an in-depth look at the SYDE 2026's 1A term through a website for future and current students, similar to reports created by previous cohorts

Garbage Aim - StormHacks - 2022 | *React, Node.js, Material-UI, Figma, Three.js, MongoDB, Express.js*
- Built a web application with the goal of inspiring individuals to take a stand and learn more about waste disposal through an interactive game
- Worked specifically on the frontend which was designed with Figma and Photoshop, and created through React (using MUI components), and Three.js (used 3D models for the environment and gameplay)

fitConnect - HackTheNorth - 2021 | *React, Firebase Authorization, chatengine.io API*
- 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 and programmed the chat feature using chatengine.io

AWARDS

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: Presented to a graduating student with a strong academic standing and leadership qualities who has made significant contributions to the school community