

# Hargun Sibal

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## TECHNICAL SKILLS

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- **Languages:** JavaScript, Python, C++, HTML, CSS/SCSS, Bash/Shell, Turing
- **Frameworks:** React, Node.js, Bootstrap, Material-UI
- **Tools:** Google Firebase, Jest, AXE DevTools, MATLAB, AWS Lambda, Figma, Jira, Confluence, Git
- **Libraries:** Scikit-Image, OpenCV, Matplotlib, NumPy, Three.js, Chart.js

## WORK EXPERIENCE

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### Deloitte

Jan 2022 - Apr 2022

Frontend Engineering Intern

Calgary, AB (remote)

- Collaborated with the frontend team on Ontario's COVID-19 Worker's Income Protection Benefit portal which is open to 300,000+ Ontario Businesses
- Integrated and improved features to the frontend portal using **React** for 4 maintenance releases, and utilized **JavaScript** and **AWS** for Lambda functions in the backend
- Led the development of solutions for 90% of the backlog accessibility tickets utilizing **AXE DevTools** and **WCAG 2.0** guidelines
- Implemented 20+ unit tests to detect bugs using **Jest** to optimize and maintain app services
- Applied agile project management skills and manage tasks on **Jira** for sprint planning, estimation, and review processes

### Hatch

June 2021 - Aug 2021

Software Developer Intern

Mississauga, ON

- Developed a vision system in a coil box 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 to 90% by applying filtering techniques in Python including RANSAC, convex hull mapping algorithms, and background subtraction

## COMMUNITY & PROJECTS

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**SYDE Class Profile Software Team Lead - 2022** | React, JavaScript, Firebase Firestore, Material-UI, Chart.js, Vercel

- Spearheaded the software team of 7 members to create a responsive web app that was launched for an audience of over 78,000 people and over 120+ daily users
- Built scalable and reusable components using React, JavaScript, and Sass for the Photo Gallery, Homepage, and Profile pages
- Utilized Firestore to fetch/store analytical and secure information which was displayed on the application using Chart.js

**Garbage Aim - StormHacks - 2022** | React, JavaScript Material-UI, Figma, Three.js

- Built a full-stack web application with the goal of inspiring individuals to take a stand and learn more about waste disposal through an interactive game
- Worked on the frontend development of the sites homepage, game development and login page which was designed with Figma and Photoshop, and created through React (using MUI components), and Three.js (used for 3D models for the environment and gameplay)

## EDUCATION

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### 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, Data Structures & Algorithms (currently enrolled), Human Factors in Design (currently enrolled)