

# Hargun Sibal

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## EDUCATION

University of Waterloo - *Candidate for BAsC. in Systems Design Engineering*

2021 - 2026

Courses: Data Structures & Algorithms, Human Factors in Design, Digital Computation

CGPA: 3.8/4.0

## TECHNICAL SKILLS

**Languages:** TypeScript/JavaScript, C++, PHP, Python, SQL, HTML/CSS, SQL, Turing

**Frameworks:** ReactJS, NextJS, VueJS, NodeJS, ExpressJS, Docker, AWS, Ruby on Rails, Cypress, TinaCMS, TailwindCSS, Bootstrap, WordPress, LaunchDarkly, Firebase

**Tools/Libraries:** Jira, Jest, PHPUnit, MySQL, AXE DevTools, Git, Scikit-Image, OpenCV, ThreeJS, Figma

## EXPERIENCE

**Vidyard - Software Developer Intern**

May 2022 - Aug 2023

- Refactored the legacy codebase during the ongoing migration of the Vidyard marketing website, leveraging a new tech stack (**React**, **TypeScript**, **NextJS**, **TailwindCSS/SCSS**)
- Developed and maintained 20+ **TinaCMS**-integrated components while authoring an equivalent number of **Jest** unit tests, ensuring codebase robustness and dependable functionality
- Spearheaded integration connecting the **AWS S3 Bucket** via the CMS Media Store to manage asset security

**Vidyard - Software Developer Intern**

Sept 2022 - Dec 2022

- Developed enhancements for the Vidyard platform, serving 12M+ users, using **PHP**, **WordPress**, **JavaScript**, **HTML/SCSS**, **Ruby on Rails**, and **VueJS**; ensured robust reliability with **Jest** and **PHPUnit** tests.
- Performed E2E testing using **Cypress** and **Datadog**, boosting code coverage by 29% across functional and non-functional scenarios
- Led the integration of **A/B testing** on the sharing page and achieved a 12% increase in conversion rates for free users using **LaunchDarkly**

**Deloitte - Software Developer Intern**

Jan 2022 - Apr 2022

- Developed new frontend functionality for Ontario's COVID-19 Worker's Income Protection Benefit portal using **React**, and concurrently contributed to the backend using **NodeJS** and **AWS Lambda** functions.
- Ensured reliability through 20+ **Jest** unit tests, resolving bugs and fine-tuning performance, while leading 100% of the accessibility enhancements following **WCAG 2.0** guidelines

**Hatch - Software Developer Intern**

June 2021 - Aug 2021

- 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%
- Implemented Python filters such as RANSAC and convex hull mapping for a 90% boost in image edge detection and obstruction removal

## PROJECTS & COMMUNITY

**Hack the North Sponsorship Coordinator - 2023**

- Independently secured over \$110K in funding for Canada's largest hackathon bringing 1000+ top participants across 20+ countries while establishing new sponsorships with leading tech organizations

**SYDE Class Profile Software Team Lead - 2022** | *React, JavaScript, Firebase, MUI, ChartJS, Vercel*

- Spearheaded a software team of 7 members to create a responsive web app that garnered an extensive user base of 78,000 individuals, with over 120+ daily active users.

**Civility - 2022** | *React, NextJS, ExpressJS, Cohere API, MUI*

- Engineered a full-stack web application that performs sentiment analysis to detect toxicity in users' inputs using Cohere's NLP API