

Hargun Sibal

hsibal@uwaterloo.ca | hargunsibal.me | github.com/hargun-27 | linkedin.com/in/hargunsibal

TECHNICAL SKILLS

Languages: JavaScript, Python, C++, PHP, SQL, HTML, CSS/SCSS, Bash/Shell, Turing

Frameworks: ReactJS, NextJS, VueJS, NodeJS, ExpressJS, Ruby on Rails, Cypress, Material-UI

Tools: Jira, Bitbucket, Confluence, WordPress, Firebase, Jest, PHPUnit, AXE DevTools, Docker, AWS, Figma, Git

Libraries: Scikit-Image, Cohere API, OpenCV, Matplotlib, NumPy, ThreeJS, ChartJS

WORK EXPERIENCE

Vidyard

Sept 2022 - Dec 2022

Software Developer Intern

Kitchener, ON

- Utilized **VueJS**, **PHP**, **SCSS**, and **WordPress** to update and improve the Vidyard platform which has 12 million+ active users, while implementing **Jest** and **PHPUnit** tests, to reduce and prevent user-facing errors
- Performed End-to-End testing considering all interfaces and subsystems for functional and non-functional testing using **Cypress** and **Datadog Synthetics** increasing code coverage by 29%
- Led integration of **A/B testing** to optimize free users conversions on the sharing page, where the new variant had a 50% higher business user conversion rate bringing in 170 users over 3 days using **LaunchDarkly** and **Ruby on Rails**

Deloitte

Jan 2022 - Apr 2022

Software Developer Intern

Toronto, ON (remote)

- Collaborated on Ontario's COVID-19 Worker's Income Protection Benefit (WSIB WIPB) 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
- Implemented 20+ unit tests to detect bugs using **Jest** to optimize and maintain app services
- Led the development of solutions for 90% of the accessibility tickets utilizing **AXE DevTools** and **WCAG 2.0** guidelines

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

Civility - Hack the North 2022 | *NextJs, Cohere API, ExpressJS, Material-UI*

- Designed and developed an accessible full-stack web application that performs sentiment analysis to detect toxicity in users' inputs using Cohere's NLP API, which is custom-trained using Kaggle data sets with 98% accuracy

SYDE Class Profile Software Team Lead - 2022 | *React, SCSS, JavaScript, Firebase Firestore, Material-UI, ChartJS, 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

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, login page, and Three.js

EDUCATION

University of Waterloo - Candidate for B.A.Sc. in Systems Design Engineering

2021 - 2026

GPA: 3.9/4.0 - Engineering Ambassador & Ultimate Frisbee Team Captain

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