

Harjot Singh | harjotsk03@gmail.com | (778) 809-1405

<https://github.com/harjotsk03> | <https://www.linkedin.com/in/harjotsingh7> | <https://www.harjotsinghkooner.com/>

Languages: JavaScript, Python, Java, C++, TypeScript, HTML, CSS

Tool: React, NodeJS, MongoDB, Tailwind CSS, REST APIs, AWS S3, Flask, Figma, Postman, Git, Github, NoSQL

Skills: UX Design, UI Design,, DOM Manipulation, Problem Solving, Creativity, Adaptability

Education

Bsc. Computer Science & Interactive Technology, Simon Fraser University

September 2021 – May 2026

Technical Experience

Director of Web Development, SFU Robot Soccer

February 2024 – Present

- Doubled user engagement & significantly improved mobile accessibility by implementing responsive UI
- Enhanced website performance by reducing load times by 75% through utilization of Vercel for hosting

Student Developer, SFU Computing Science Student Society

January 2024 – Present

- Elevated user experience and usability by redesigning all UI components across the site making it cohesive
 - Improved development efficiency by 72% through developers using these components with params
 - Enhanced maintainability & scalability by implementing best practices for code design and system design
-

Technical Experience

Study Spotr

August 2024 – Present

React, Google Maps API, NodeJS, JWT, MongoDB, ExpressJS

- Full stack application to easily find places to study or work near users location or anywhere in the world
- Integrated Google Maps API to display interactive maps and location markers
- Achieved 88% reduction data fetch times by using React Hooks & handling API requests using Axios
- 78% faster response times by optimizing backend performance with efficient database queries and middleware
- Implemented best practices in front-end architecture, for performance, security, and usability

SFU Robot Soccer Website

January 2024 – Present

ReactJS, Google Firebase, TailwindCSS, JavaScript

- Utilized React Hooks to efficiently grab and manage information from Firebase & enabled real-time data fetching
- Optimized database queries to reduce data retrieval times by 95%
- Increased website traffic by 55% through improved design and functionality

EcoGrow

July 2024 – August 2024

Java

- Garden simulation game designed to provide entertainment to users through playful interactions
- Zero code redundancy through use of encapsulation to safeguard data in abstract classes & develop interfaces
- Implemented Polymorphism to allow dynamic method binding, enhancing code reusability and extensibility.

Pharmabotics

May 2024 – August 2024

ReactJS, TailwindCSS, NodeJS, Express, MongoDB, C++, Arduino

- Improve medicine dispensing & accuracy with automated dispenser synced to database & secure interface
- Allowed for efficient CRUD actions with a professional dashboard style user interface
- Achieved 84% accuracy in sensor readings and responses from 6 integrated sensors and actuators
- Developed C++ application to facilitate real-time control and monitoring of 6 hardware components
- Improved data handling performance by 95% through optimized queries and state management