

Steven Bai

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Technical Skills

Javascript, HTML, CSS (10+ Projects): utilized frameworks such as React, Node and Express with Postman

C++, Java (50+ Contests): used for competitive programming, similar to leetcode DSA problems

Git (30+ projects): version control for personal projects, made pull requests to large-scale projects

Work experience

Freelance Developer | 📍 Toronto, Ontario

Nov 2021 – Dec 2021

- Implemented a pomodoro timer using DiscordJS for a Discord bot called [Productify](#) to promote and improve time management for server members.
- Productify supports and motivates 300+ members in a [Discord study server](#).

Web Developer, iContribute | 📍 Ottawa, Ontario

Mar 2021 – Aug 2021

- Implemented multiple user-facing pages for the React [web portal](#), giving non-profit organizations and volunteers visibility into remote and in-person opportunities.
- Enhanced high school volunteering during the pandemic, used by 58 partnered organizations to connect with 800+ mobile app users for volunteer opportunities.

Projects

Unlock Hacks [Java](#)

unlock-hacks.devpost.com

- Organized and hosted an online hackathon to encourage and educate beginners with programming.
- Designed, lectured and mentored at introductory workshops in [Java](#) and [competitive programming](#) with 20+ attendants each.
- Connected with 50+ companies and inspired 173 participants, accumulating \$800+ sponsored prizes and 42 project submissions.

dmojstats [React.js](#), [Node.js](#), [Express.js](#), [REST api](#), [Figma](#)

dmojstats.herokuapp.com | [GitHub](#)

- Designed and implemented a website as a new tool to search and track coding contests on [dmoj.ca](#).
- Deployed an Express server with Heroku to serve detailed, searchable performance data for all 140K+ dmoj developers to the React website. Utilized REST api and the [dmoj API](#).

Troki [React Native](#), [Figma](#)

devpost.com/software/troki | [Youtube Demo](#)

- Prototyped and implemented a cross-platform app which connects teenagers and neighbors for paid yard work. Used React Native to create login, search, contact and messaging pages to communicate.
- Assembled a team of 4 and submitted to Hack the North 2021 - Canada's largest hackathon.

Competitive Programming [C++](#), [Java](#)

[dmoj profile](#) | [Codeforces profile](#) | [GitHub](#)

- Solved 1000+ DSA problems and competed in 50+ online contests on multiple online platforms.

Awards

PureScholars Award in Mathematics (\$5000) | University of Waterloo

June 2022

- Excellence in high school academics, community involvement and [CEMC](#) contest scores
- 97.3% admission grade, top 5.7% Euclid (80/100), top 5.3% Canadian Computing Competition (39/75)

Interests and Hobbies

- Competitive swimming - Placed 7th in high school junior division at OFSAA 2020 Provincials
- Piano - First Class Honors in RCM Level 10 performance and theory
- Powerlifting - 275 lb squat, 235 lb bench, 405 lb deadlift

Education

Honors Bachelor of Computer Science - University of Waterloo

Sept 2022 - April 2027