

Steven Bai

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EXPERIENCE

Full Stack Developer — *Rich Media*

MAY 2023 - AUG 2023

- Developed client tools for prominent companies in the insurance and banking industry, including a mortgage calculator for TD Bank and a credit card rewards tool for Scotiabank.
- Collaborated with the design team to ensure seamless UI/UX in client web apps, using web technologies such as AngularJS.
- Streamlined client workflows by implementing a TypeScript tool which uses Playwright for web scraping, preparing website frames and assets for local hosting and codebase handoff. Assets include fonts, JavaScript, CSS, HTML, and images.
- Conducted cross-platform QA testing for client applications at SunLife, utilizing a diverse array of devices including phones, tablets, and laptops. Managed, tracked and resolved 20+ bugs with Bugzilla.

Software Developer — *Freelance*

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. Reached 300+ active student users in a [Discord study server](#).

Web Developer — *iContribute*

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

ycscrape [\[Github\]](#)

JUNE 2023 - PRESENT

- Developed dynamic web application to generate facilitate and automate job search for 4000+ YCombinator companies
- Architected a scalable server infrastructure with RESTful endpoints using Node.js and Express, which efficiently web scrapes company and recruiter data, persistent storage in MongoDB, and retrieval for generation of emails through OpenAI's API.
- Created a user-friendly interface using React with dynamic JSON-based data handling for real-time information exchange.
- *Tech stack: React.js, Node.js, Express.js, MongoDB, REST api, OpenAI, Tailwind CSS*

dmojstats [\[GitHub\]](#)

NOV 2021 - PRESENT

- Designed and implemented a React website as a new tool to search and track coding contests on dmoj.
- Deployed an Express server with Heroku to serve searchable performance data for all 160 000+ dmoj developers. Developed search query using a RESTful api with the [dmoj API](#).
- *Tech stack: React.js, Node.js, Express.js, REST api, Figma, Heroku*

COMMUNITY INVOLVEMENT

Unlock Hacks [\[Devpost\]](#)

NOV 2021 - JAN 2022

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

EDUCATION AND AWARDS

Honors Bachelor of Computer Science — *University of Waterloo*

SEPT 2022 - DEC 2026

- [PureScholars Award in Mathematics](#): Excellence in high school academics, community involvement and CEMC scores
- Self-learned data structures and algorithms in C++ during high school; participated in open national contests such as CCC, USACO, and COCI. Accumulated competitive programming [solutions to 1000+ DSA problems](#) on GitHub.

TECHNICAL SKILLS

Languages: Javascript, Typescript, C/C++, HTML/CSS, Java, Python

Technologies: React, Angular, Node, Express, MongoDB, Git, React Native, Heroku, Linux, Figma, SVN