

Steven Bai

stevenbai.ca

LinkedIn: /stevenbai0724

GitHub: /stevenbai0724

s2bai@uwaterloo.ca

EXPERIENCE

Full Stack Developer — *Rich Media*

MAY 2023 - AUG 2023

- Spearheaded the development of white label software for major Canadian clients including Scotiabank and TD, achieving a **15%** increase in client engagement and satisfaction at leading banks and insurance companies.
- Collaborated closely with design teams to improve user experience and interface aesthetics with AngularJS
- Streamlined client workflows by automating the customization of website frames and assets using TypeScript and Playwright for web scraping, reducing project turnaround times by **25%**.
- Operated in a fast-paced Lean-Agile environment and effectively managed client feedback loops to accelerate product iterations, resolved over **30** critical bugs over cross-platform QA testing, enhancing system reliability and performance.

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+** active 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 ReactJS tool to enable simultaneous search, tracking, and comparison of coding contests for DMOJ's **160,000+** developers, increasing analysis efficiency by up to **50x** for users with extensive contest histories
- Developed an advanced search query feature using a RESTful API with DMOJ's API, enabling users to analyze performance ratings and percentile scores across multiple contests, a functionality not available on the original platform
- *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 for all **173** participants.
- Connected with **50+** companies, accumulating **\$800+** in sponsored prizes and **42** project submissions.

EDUCATION AND AWARDS

Honors Bachelor of Computer Science (3.9 GPA) — *University of Waterloo*

SEPT 2022 - DEC 2026

- [PureScholars Award in Mathematics](#): Excellence in high school academics (**97.3%** average) and extracurricular involvement, including multiple city-level wins in swimming and table tennis and qualified for provincial swimming competitions (OFSAA).

TECHNICAL SKILLS

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

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

