

Bill Li

(647) 633-0471 | b382li@uwaterloo.ca | [linkedin.com/in/bill-li](https://www.linkedin.com/in/bill-li) | github.com/bill-li

EDUCATION

University of Waterloo

Sept 2019 – Aug 2024

Bachelor of Computer Science, Minor in Cognitive Science

Waterloo, Ontario

- Relevant Courses: Algorithms, Data Structures, Operating Systems, Machine Learning, Artificial Intelligence, Computer Graphics

EXPERIENCE

Software Developer

Jan – Apr 2023

Cover Technologies

Los Angeles, CA

- Built key features for a document management platform made with Nuxt (Vue), greatly improving ease of use and **reducing load times by up to 90%**.
- Built design tools for manipulating 2D geometry and geospatial data, **saving 100+ work hours per project**.
- Refactored and documented improvements to scalability and maintenance for legacy systems.

Full-stack Developer

May – Aug 2022

Hypotenuse Labs

Remote

- **Led a team for 2 weeks** to build a digital product MVP for client stakeholders.
- Built key features for a Web3/NFT marketplace ([link](#)) using Next and ethers for **1000+ daily users**, supporting future releases with new token standards.
- Added OAuth user authentication and maintained data parity for existing Web3 users.

Full-stack Engineer

Jan – Apr 2021

Zamplo Research

Remote

- Built a provisioning and research platform in React Native Web and Redux, **saving 30+ work hours per week** of data collection for sales and marketing teams.
- Built a service for CRM integration on an existing API, created in Flask (Python).

Full-stack Developer

May – Aug 2020

eleven-x

Waterloo, Ontario

- Built client-facing data visualization tools for an Internet of Things analytics platform in Laravel (PHP) and Vue.
- Implemented automated unit testing and created scripts for performance monitoring.
- Built payload decoders for several parking sensors currently serving the University of British Columbia.

PROJECTS

CheatID | *React, PostgreSQL, Express, Redis, DigitalOcean*

June 2024 – Present

🔗 demo.cheatid.com

- Built an analytics and anti-cheat platform for live service game development, currently serving around **five million in-game events by real players**.
- Client built using Vike with React and Express. Graphs built with visx (D3).
- Server built with Express using PostgreSQL for storage and Redis for caching.

Resonance | *React Native, Express, MongoDB, Heroku*

Jan – June 2021

🔗 *Video demonstration*

- Directed a team of 5 to make a music sharing app for Web, iOS and Android.
- Built core features for the React Native Web/Expo mobile client, using Redux for state management.
- Created architecture for Spotify authentication in the API, built with Express and MongoDB.
- Performed Scrum meetings and weekly code reviews for fellow engineers.

SKILLS

Languages: Python, C/C++, SQL (PostgreSQL), JavaScript, TypeScript, HTML/CSS, PHP, Kotlin, Java, R, Bash

Frameworks: React, Vue.js, Node, Express, Flask, Next.js, Nuxt.js, Laravel

Tools: Git, Docker, AWS, Firebase, Heroku, MongoDB

Libraries: PyTorch, TensorFlow, Keras, Three.js, WebGL, OpenGL, visx