

Bill Li

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EDUCATION

University of Waterloo

Sept 2019 – Aug 2024

Bachelor of Computer Science (BCS), Minor in Cognitive Science

Waterloo, Ontario

- Relevant Courses: CS341 Algorithms, CS350 Operating Systems, CS346 Application Development, CS485 Machine Learning, CS486 Artificial Intelligence, CS484 Computational Vision, CS488 Computer Graphics

EXPERIENCE

Software Developer

Jan – Apr 2023

Cover Technologies

Los Angeles, CA

- Built design tools for architects to manipulate geometry and geospatial data and automate CAD generation, improving throughput by **saving 100+ work hours per project**.
- Enhanced clarity and ease of use for a document management system, **reducing load times by up to 90%**.
- Refactored and documented improvements to scalability and maintenance for legacy backend systems.

Full-stack Developer

May – Aug 2022

Hypotenuse Labs

Remote

- **Led a team for 2 weeks** to build a digital product MVP for luxury fashion brand Mostly Heard Rarely Seen.
- Implemented key features and new products for a Web3/NFT marketplace supporting **1000+ daily users**.
- Built a second marketplace to support new token standards, generating around **\$25 000 in sales**.
- Improved accessibility and security by implementing an OAuth user authentication flow.

Full-stack Engineer

Jan – Apr 2021

Zamplo Research


Remote

- Built a data visualization platform, **saving 30+ work hours per week** for sales and marketing teams.
- Built a service for database synchronization and CRM integration on an existing user database and API.
- Improved app reliability and productivity for the software team by creating a new provisioning platform.

PROJECTS

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

June 2024 – Present

 *demo.cheatid.com*

- Created an anti-cheat analytics platform for live service game development, currently serving around **five million in-game events by real players** and detecting **40+ hackers**.
- Built a client to visualize and monitor player activity and to help identify common vulnerabilities.
- Built an API for CRUD operations, serving aggregate data and performing anomaly detection.
- Improved response time and versatility by creating support for customizable player events with automatic indexing.

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

Jan – June 2021

 *Video demonstration*

- **Personally designed and led** the development of a music sharing app for Web, iOS and Android.
- Built a mobile client to visualize a user's music streaming habits and to customize and share their profile.
- Designed and implemented a Spotify authentication flow in the API.

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, nginx

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