

Jia Xuan Li

Computer Science Student (3rd Year), Web Developer and Software Engineer

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EDUCATION

Vanier College

Computer Science Technology, DEC

Aug 2021 - Present

Montreal, Canada

- Comp. Sci. Avg: **97.7%** — Math. Avg: **99.8%** — R-Score: **35.0**
- Relevant Coursework: Web Programming, Web Services, Networks, Databases, Data Structures, Sys. Development.

EXPERIENCE

Software Developer Intern

NDT Technologies

Jan 2024 – Present

Montreal, Canada

- Develop **8** web dashboards using PHP, MySQL, HTML, CSS, and JavaScript to enhance functionality.
- Patch security vulnerabilities from **4** legacy systems by performing software upgrades.
- Enhance page response times by up to **20** seconds through debugging and refactoring of resource-intensive code.
- Reduce database query times by **99.96%** by optimizing SQL queries through analysis.

Full-Stack Developer (Freelance)

Unnamed Company in Renovation Industry

Jan 2023 - May 2023

Laval, Canada

- Reduced manual data entry time by **90%** by developing a user-friendly content-management system (CMS) in PHP.
- Boosted project success rate to **90%** by using agile methodologies such as test-driven development, ensuring efficient development and thorough documentation.
- Facilitated multilingual collaboration by developing a translation system with **3** supported languages.
- Achieved a test coverage of **94%** by implementing acceptance tests through end-to-end (e2e) testing.
- Reduced risks of authentication attacks by **99.9%** by implementing multi-factor authentication (MFA) system through QR Codes and mobile MFA applications.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, SQL, Rust, C#, C++

Front-end: HTML, CSS, React.JS, Bootstrap, Tailwind CSS, Socket.IO

Back-end: Flask, PHP, Express, Nest.JS

Databases: MySQL, PostgreSQL, MongoDB

Tooling: Git, Docker, Jest, JUnit, GitHub Actions, Codeception, Fossil

PROJECTS

My Portfolio | React, TypeScript, Tailwind CSS

Apr 2024 - Present

- Achieve a perfect score of **100%** on **Google's Mobile-Friendly Test** by developing a mobile-first responsive webpage.
- Integrate 2D and 3D elements to create an immersive experience.
- Enable SEO optimization and Google Analytics tracking for performance monitoring.

SaaS Business | Lua, TypeScript, NextJS, NestJS, PostgreSQL, Docker, Rust

Jun 2020 – Sep 2023

- Reduced deployment time by **80%** by developing custom CI/CD pipelines using GitHub Actions.
- Generated nearly **\$100,000** in revenue by integrating Stripe for automatic payment through a NodeJS application.
- Brought in **8,000** community users by developing an automatic licensing system with a Discord bot.

AWARDS & COMPETITIONS

McGill RoboHacks - Winner (Rank 1/60)

Mar 2023

CAMPUS INVOLVEMENT

Vanier Robotics's Website Home | React, Three.JS

Feb 2024 - Mar 2024

- Developed and modeled the immersive 3D welcome page of Vanier Robotics's 2024 website.