

## Education

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### Bachelor of Science, Computing Science

Sep 2020 – Sep 2024

Simon Fraser University – Burnaby, BC.

*Courses in 2023 Spring term:* Introduction to Software Engineering, Introduction to Computer Systems, Data Communications and Networking, Applied Linear Algebra.

### Fullstack web development bootcamp

May 2022 – Nov 2022

Mark2Win IT Solution – Toronto, ON

## Skills

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**Programming language:** JavaScript / TypeScript, Java, C/C++, PHP, MySQL

**Technologies:** React/Redux/Hook, Express/Node.js, JWT, TypeORM, jQuery, Restful API, Jest

**Other:** Material UI, Bootstrap, Postman, GitHub, GitLab, Linus, JIRA

## Projects Experience

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### eCommerce online shopping mall (Bootcamp Project) – [GitLab](#)

May 2022 – Nov 2022

*React/Redux, MUI, Express/Node.js, MySQL, JWT*

- Created the Lululemon e-commerce platform SPA by using **React**, **React-Redux**, **Redux-Form**, with (**Express & NodeJS**) as REST API backend to talk to database (**MySQL**)
- Developed data driven dynamic applications for rendering full accessible user interfaces
- Followed **responsive and mobile first rules** to design layout and components by using **react** and **Material UI**
- Implemented the global filters components in both Front-end UI and backend logics
- Created various components and using **React Hook** and universal store **Redux**
- Integrated online payment channel of **PayPal** and **Stripe** Restful API
- Designed and conducted the model, data migration, and seed data by using **TypeORM**
- Defined and implemented the system's routes and Restful APIs
- Implemented the RBAC (Role based access control), supported role and permission assignment and access
- Communicated with back-end such as search, get, post etc. using **Fetch** and **Axios**
- Integrated user management through **JWT token**

### Vancouver Public Art Website (Internet Computing Technologies Class) – [Github](#)

Sep 2021 – Dec 2021

*HTML/CSS, JavaScript, jQuery, PHP, MySQL*

- Identifying new clients by utilizing market research data and system investigation report
- Translated the UI mockup to **HTML** and **CSS** with responsive layout
- Developed and designed the Vancouver Public Art website to promote the exploration of artworks throughout the city of Vancouver by implementing **HTML**, **CSS**, **JavaScript**, and **PHP**
- Designed and created relational databases and schemas for functionalities of login, comment, rating in **XAMPP** environment by using **MySQL**.
- Built a live searching function and filter function for users in the website to search different type artworks by implementing **jQuery**, **Ajax**, **PHP**, and **MySQL**

### StirfryGame (Multimedia programming for art and design Class) – [Github](#)

Jan 2021 – Apr 2021

*Java, Adobe illustrator*

- Built an interactive multimedia simulation that demonstrates a process of making stir fry, with the feature of user interactivity by using **Java**, **JPanel**.
- Implementing **Perlin noise** to draw the fire effect and using **decorator pattern** to apply the potential effect of the stir fry in different states.
- Creating and designing all classes by following the principle of **OOP principle**, **strict encapsulation**, and **inheritance**, **abstract superclass** and **interface**.

- Designing all of the graphic contents by using **Adobe illustrator**.

## Other Experience

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### **Volunteer / New Student Tax Return workshop (University of Manitoba)**

Jan 2019 – Feb 2019

- Helped organize a tax return event for 2019 new students.
- Introduced upcoming events and direction for those who participated in the event.