

Chang (Michaux) Sun

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SUMMARY

A senior at UBC in a dual degree program – Computer Science (undergraduate) and Management (graduate). Proficient with Java, C++, SQL, and web programming. Strong communication, analytical and interpersonal skills with industry working experience.

EDUCATION

University of British Columbia, Vancouver, BC

- **Bachelor of Science + Master of Management Dual Degree (GPA 3.85)** Completion: Dec 2022
Specialization: Computer Science

Langara College, Vancouver, BC

- **Computer Science Program (GPA 3.9)** Sep 2016 – Jul 2018

WORK EXPERIENCE

LifeLabs – Head Office, Burnaby, BC

Developer (Co-op) Sep 2019 – April 2020

- Created and launched a dynamic dashboard program independently to reflect real-time carriers specimen delivery activities on two physical locations (Burnaby & Surrey); (SQL query, external APIs, JavaScript, OOP)
- Built technical reports and customized Outlook add-on to deliver automated and digitalized reports to required departments; (VBA & TypeScript)
- Initiated business documentations to communicate with non-technical external suppliers

Tiger Applications LLC, Vancouver, BC

Junior Web Developer (Part-time) Feb 2019 - Feb 2021

- Co-designed a website in a group of three; (JavaScript, HTML, CSS, React, Node, jQuery)
- Deployed and maintained at least 10 web pages through XAMPP Web Server to run LESS files
- Implemented jQuery for additional slideshow functionality and features for mobile devices

TECHNICAL EXPERIENCE

- **Frens (2021)** Co-creator of the make-friends web application that generates friends list based on user input
 - implemented user authentication using jwt & local storage (salting & hashing password);
 - implemented/integrated Python script to analyse/transfer data between client and server side
 - Main page functionalities and UI design and a navigation bar for both desktop and mobile view
- **Hogwarts (2021)** Implemented and deployed a full-stack web application for Hogwarts magic school
 - allowing user to create/edit study groups by using react hook and axios to send HTTP request to MongoDB
 - a shopping page including filter buttons for different categories displaying by using MongoDB query documents
 - a customized popup window to display/edit shopping summary, used redux to keep track of the shopping cart content between web pages
- **InsightUBC (2020)** Co-designed a full-stack application for querying, displaying, scheduling UBC courses and room information; (Java, TypeScript, HTML, CSS, HTTP, REST)
- **Memory Game (2018)** Built a single/multi-player game to allow players to play games on the same computer; (Java, Sockets)

EXTRA-CURRICULAR ACTIVITIES

nwHacks Hackathon (University of British Columbia, Vancouver, BC)

Jan 2020

Co-designed a web application (MongoDB, HTML, CSS, JavaScript, APIs) to generate vaccine recommendations for customers based on their injection history; learned how to use Standard Library to generate customized APIs

cmd-f Hackathon

Mar 2019

48 hour all-female hackathon organized by Devpost - led group of 4 students, initiated and implemented a web application that allows user to control characters by speech recognition (Web Speech API, JavaScript)

DEF CON (Las Vegas, Nevada)

Sep 2016 - Jun 2017

Attended week-long conference; absorbed massive cutting-edge knowledge from tech experts; explored ethical hacking methods in various workshops

LANGUAGE AND TECHNOLOGIES

- Java | JavaScript | TypeScript | git | HTML | CSS | MongoDB | SQL | C | C++ | React | Node | VBA | JSON | APIs | Python
- Visual Studio | IntelliJ IDEA | WebStorm | Atom | Eclipse | Sublime | GitHub | XAMPP | cPanel

INTERESTS

Programming, Designing, Traveling (In-depth travel, visited over 6 countries, 30+ cities), Workout fanatic