



# PATRICK NGUYEN



## // CONTACT DETAILS

Vancouver, BC  
604-779-4316  
[patricknguyen97@gmail.com](mailto:patricknguyen97@gmail.com)  
<https://github.com/patricksnotstar>  
[www.linkedin.com/in/patrick-nguyen-0](https://www.linkedin.com/in/patrick-nguyen-0)  
<https://hirepatricknguyen.netlify.app>

## // TECHNICAL SKILLS

- C/C++
- Javascript/Typescript/Node.js
- Vue.js
- Python
- Java/Spring boot/Hibernate
- NoSQL
- PostgreSQL

## // TRANSFERABLE SKILLS

- Communication
- Interpersonal
- Teamwork
- Resourcefulness
- Creativity
- Quick learner

## // EDUCATION

### >> Bachelor of Science in Computing Science

#### Simon Fraser University

- Expected graduation in May 2022
- Dean's Honour Roll in Fall 2019

## // OTHER INTERESTS

- Video games: The Witcher and League of Legends
- Weightlifting
- Hiking
- Custom mechanical keyboards

## // WORK EXPERIENCE

### >> Full Stack Developer

#### LifeBooster, Vancouver BC | May - December 2021

- Reworked the front-end using Vue 3 and with new UI designs, resulted in a cleaner code base developed with best practices
- Developed the back-end in Node.js and Typescript using CQRS and event-driven micro-services architecture and deploy on Azure
- Redesigned and refactored the processing pipeline which made it more robust, efficient, and easier to add new features.
- Implemented pagination with Cosmos DB to improve the overall scalability of the application
- Created bookmarklets to streamline Git branch creation

### >> Full Stack Developer

#### Terramera Inc., Vancouver BC | January - August 2020

- Implemented front-end in Vue 2 in accordance with UX designs
- Implemented a media file upload and storage solution which resulted in more efficient and streamlined data capture processes for scientists
- Researched and implemented server-side antivirus to add security to the file upload system
- Implemented microservices in the back-end using Java, Spring boot and Hibernate
- Maintained databases with PostgreSQL
- Wrote unit and integration tests using Mockito for back-end and Jest for front-end

## // PROJECTS

### >> Route Planner app

#### Personal project | March 2022

- Co-developed an app that calculates the most efficient order of destinations
- Worked with Bing Maps API to get location and route data
- Wrote an algorithm that returns the order of destinations that will minimize travel distance
- Created the app using React-Native
- Unpublished but code can be found here:  
<https://github.com/kchangch/Route-Planner>

### >> BeagleBone Drum Player

#### Embedded Systems | March 2021

- Developed a front-end in HTML, CSS, and JQuery to interact with the BeagleBone board
- Wrote a simple Node.js back-end to handle front-end requests and send them to the BeagleBone board
- Wrote a multi-threaded firmware in C that handles many simultaneous requests to play sounds at once
- <https://github.com/patricksnotstar/Embedded-systems-classes/tree/master/as3>

