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PATRICK NGUYEN

// CONTACT DETAILS

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// 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

// E D U C A T I O N

>> 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
- 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

>> 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_class/tree/master/as3

>> Sentiment Analysis and Topic Classification of Newspapers

Natural Language Processing class project | November 2020
- Worked with a team of 4 to develop a sentiment analysis and topic classification pipeline in Python
- Wrote a web scraper to collect newspaper data from different news outlets
- Created a front-end to visualize our results, which you can visit at https://teletubbies-front-end.vercel.app
- Wrote a paper detailing our result
- https://github.com/patricksnotstar/NLP-class-paper

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