

# Hansoo Yoon

Software Development Engineer

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## CORE SKILLS

C, C++, C#, Java, Python,  
JavaScript, CSS, Sass, SQL,  
TypeScript, React, Node.js,  
Express.js, Bootstrap, Flask,  
Redux, Anaconda, Android  
Studio, Spark, Unity, Git, Gitlab,  
GitHub, Bitbucket, Azure Dev  
Ops, HTML, Relational  
Databases, Tailwind, VBA

## EDUCATION

Simon Fraser University

Jun 2024

B. Sc | Computer Science

Minor | Business Administration

## INTERESTS

Sport Climbing / Bouldering

Backcountry Skiing

Backpacking

Ultimate Frisbee

Trading Card Games

## WORK EXPERIENCE

Applications Developer Co-Op

Jan 2023 - Sep 2023

Vancity Credit Union | Vancouver

- Led C# program development to migrate 20 million customer transactions to an archival platform, reducing records to 4 million and decreasing storage costs.
- Architected and built a VBA program as the sole developer to process and document thousands of new bank accounts for monthly reporting.
- Worked with key personnel to identify tech gaps, designing solutions to improve banking services and increase customer value.
- Managed applications and access management, with a focus on Microsoft Power Platform and Dynamics 365 CE.

Front End Developer Co-Op

May 2022 - Dec 2022

Celayix | Vancouver

- Designed and implemented JavaScript and TypeScript based time processing modules to manage thousands of employee shifts.
- Developed modular, reusable React components for the company's workforce management interactive dashboard.
- Identified and resolved urgent front-end bugs, creating a seamless user experience for thousands of users.
- Contributed to feature development and codebase maintenance in an agile environment with QA and developers.

## PROJECTS

Surrey Restaurant Inspection Tracker

Dec 2020

Android Studio/Java

- Developed an Android App using Android Studio and Java that presented health inspection data for thousands of restaurants.
- Utilized Surrey City RESTful API to seamlessly access and display real-time and accurate data.

## Hope Health Action Web Application

May 2021

Javascript/ React.js/Postgres/Node.js

- Partnered with non-profit to design and build a health information management web app to be used by hundreds of health care workers in Africa.
- Designed and implemented user interface with React, CSS, and Bootstrap, ensuring an intuitive and user-friendly experience.
- Implemented and managed databases using Postgres and Sequelize for data manipulation in the backend.
- Engaged in regular coordination with relevant stakeholders and end-users to incorporate user-centered features and iterative revisions.

## Debt Tracker

Aug 2021

JavaScript/React.js/Node.js/MySQL

- Created a web app ledger to track outgoing and incoming debts.
- Utilized modals, sidebars, and other web features for managing transaction histories with CSS and JavaScript.
- Designed a relational database schema with MySQL for the app backend.

## Reinforcement Learning AI

Dec 2021

Unity/C#

- Programmed a reinforcement learning AI agent in a game created in Unity.
- Achieved over 90%-win rate through less than a thousand iterations.
- Designed and implemented 3D game environment to train the AI.

## WORK EXPERIENCE (CONT)

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### Door-To-Door Sales Representative.

May 2019-October 2019

Telus | Vancouver

- Communicated extensively in a team to coordinate daily strategies.
- Practiced various effective sales strategies to gather insights and provide customer with the custom-tailored solutions to their needs.