

# RAYMOND CHU

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## PROJECTS

### 🔗 Digital Health Card

Mar 2021

- Collaborated in a **hackathon** to implement a solution for organizations to support a “back-to-normal” lifestyle
- Deployed a local **blockchain network** using **Docker** and **Hyperledger Fabric** to store user medical Covid information
- Designed an **Express server** that communicates to a front-end application to query and retrieve information from the blockchain network

### 🔗 Simulated Assembly Line

Jan 2021

- Developed an assembly line simulation in **C++** using **object-oriented principles** that displays a line of stations where each station completes a customer order
- Implemented relevant **data structures** such as **linked-lists** and **deque**s to efficiently process customer orders

### 🔗 NBA Analysis Web App

Jan 2021

- Collaborated on an analysis web application using **ReactJS**, **d3** and **GraphQL** that allows users to search for advanced analytics on NBA basketball players
- Reduced search times **by 50%** through GraphQL queries to a **web scraping** API to create a data pipeline that processes user requests and aggregate relevant statistics

### 🔗 Online Multiplayer Chess

Dec 2020

- Developed an online chess game using **ReactJS**, **ExpressJS**, and **Socket.io** that allows clients to play chess remotely in their own homes with **video call** functionality for a more humanistic interaction
- Designed for **over 100** concurrent games simultaneously

## WORK EXPERIENCE

### Customer Care Agent | Bill Gosling Outsourcing

Newmarket, Ontario

Jan 2019 – Aug 2019

- Assisted hundreds of customers in a personalized, professional manner to ensure **customer retention** and satisfaction
- Led department in monthly call grading scores with evaluations **over 95%**

## PASSION

Software developer that enjoys building **web apps** with dynamic, user **rich features** that supports scalable server-side systems

## EDUCATION

### Seneca College

Bachelor of Technology  
Software Development  
Graduation April '23

Relevant Courses:

BTP400, OOP in Java and C++

### University of Waterloo

Bachelor of Science  
Biomedical Sciences  
Graduated

Relevant Courses:

CS200, Concepts for Advanced Computer Usage

## SKILLS

### Languages

- C/C++
- Linux/Unix
- JavaScript
- Java
- SQL

### Technologies

- HTML
- CSS/SCSS
- PostgreSQL
- MongoDB
- Oracle SQL
- Heroku

### Frameworks

- ReactJS
- ExpressJS
- Bootstrap
- Hyperledger