

# RAYMOND CHU

## PROJECTS

### 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
- Implemented Chess AI using **mini-max algorithm** and **alpha-beta pruning**

### Full Stack Barbershop Website

Jan 2020

- Designed a barbershop website using **ReactJS** in the front end to allow users to schedule haircut appointments
- Implemented a **RESTful Express** API that supports **CRUD** operations to store appointments within a **MongoDB** database from the back-end server

### Spotify Playlist Generator

July 2020

- Developed a web application in **ReactJS**, with the **Spotify API** to allow users to enter names of artists to generate and add a playlist to their Spotify account

## 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%**

✉ [r3chu@uwaterloo.ca](mailto:r3chu@uwaterloo.ca)  
☎ (647) 712 – 7226  
🌐 [github.com/raymondchuu](https://github.com/raymondchuu)  
🌐 [linkedin.com/in/raymondchuu](https://linkedin.com/in/raymondchuu)  
🌐 [raymondchu.herokuapp.com](https://raymondchu.herokuapp.com)

## PASSION

Aspiring 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
- Bootstrap

### Frameworks

- ReactJS
- ExpressJS