

# CHUNGA LEE

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Resume Website: <https://chung-resume.netlify.app/>

## HIGHLIGHTS & QUALIFICATIONS

- Third year in Bachelor of Science (BSc) in Computer Science
- Internship as summer camp and after-school teacher in making class materials, exams, and teaching students for various subjects (Computer Science, Biology, ACT, Chemistry, Math)
- Independent worker who has developed strong self and time management from working at fast paced workplace
- Passionate learner and leader for software engineering projects by leading teams for constructing computer science projects
- Excellent team member who has exceptional communication skills and human relation skills.

## EDUCATION

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### **Bachelor of Science – Computer Science Major**

**Expected Graduation: May 2023**

Discipline Focus: Software Engineering (Front end & Back end), Database Science  
University of British Columbia, Vancouver, BC

### **Relevant Courses**

#### **CPSC 310 – Introduction to Software Engineering (Grade: A+)**

: Constructing software web page using REST APIs, JS, CSS, HTML about information about UBC Courses and Rooms

#### **CPSC 304– Introduction to Relational Databases (Grade A+)**

: Design ER Diagram and Implement PHP web program using SQL to query information from dataset.

#### **CPSC 320 – Intermediate Algorithm Design and Analysis (Grade A-)**

: Build and design Algorithms and problem solving

#### **CPSC 210 – Software Construction (Grade A)**

: Design, development, and analysis software program using JAVA.

#### **CPSC 213 – Introduction to Computer Systems (Grade A)**

: Software architecture, operating systems, and I/O architectures, C (deadlock avoidance)

## PROJECT

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### Software Engineering Project

March 2022

#### Project Name: Grade Management

- **Purpose:** From the experience to have trouble finding the percentage of exams and calculating grade every time to know where I am standing, it is to help students easily manage the grade themselves.
- **Skill:** Amazon Cognito (signup, login), React.js (front-end), node express (back-end and API)
- **Contents:** It allows students to create tasks (ex. midterm) and write what percentage the task contribute to the course grade (40% among 100%) and number of sub-tasks (3 midterms). When submitting each grade for subtasks, it calculates the grade for the related task, course, and semester.
- **GitHub Code:**
  - Front-end: [https://github.com/chunga7879/grade\\_project\\_front\\_end](https://github.com/chunga7879/grade_project_front_end)
  - Back-end: [https://github.com/chunga7879/grade\\_project\\_back\\_end](https://github.com/chunga7879/grade_project_back_end)

### Software Engineering Project

January 2022 – April 2022 (-ing)

#### Project Name: Tournament Organizer

- **Role:** All front-end works except login & signup parts. All react.js works. Participating for writing all related documents such as terms of references and design plan.
- **Skill:** Amazon Cognito(signup, login), React.js (front-end), java spring boot (back-end)
- **Contents:** This project build a solution to allow easy administration of multiple tournaments with the ability for employees to self-register and share availability based on format of specific tournament
- **GitHub Code:**
  - Front-end: [https://github.com/chunga7879/tournament\\_organizer\\_front\\_end.git](https://github.com/chunga7879/tournament_organizer_front_end.git)
  - Front-end website: <http://tournament-organizer.s3-website-us-west-2.amazonaws.com/>
  - Back-end: [https://github.com/chunga7879/tournament\\_organizer\\_back\\_end.git](https://github.com/chunga7879/tournament_organizer_back_end.git)

### Software Engineering Project

September 2021 – December 2021

#### Project Name: Course and Room Data Management

- Partner: Leah Jo (UBC Student)
- Role: All front-end works. All Query related backend implementation. Works for backend implementation about ADD, DELETE and GET methods with partner. Works for REST APIs with partner.

- Contents: This is the software engineering project which helps to add and delete data and get information from the data using query and get the lists methods. It adds files about courses and rooms information at UBC and explore the data using query. By using REST APIs, it can accomplish end-to-end user stories

#### **Database Web Programming project**

**September 2021 – December 2021**

- Partner: Jihae Lee (UBC Student), Yeongu Choe (UBC Student)
- Role: Designing ER Diagram. Almost all about writing SQL Codes. Implementing display parts of php.
- Contents: Designing ER Diagram for TV Program. By using PHP and MySQL, it adds, deletes datasets and query information from datasets.

#### **Software Construction Project**

**September 2020 – December 2020**

- Role: Description & Design for the project. Constructing java class diagram. Building and Coding for the application.
- Contents: This uses java to make the application which manages the information of customers and products of department store.

### **SKILLS**

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#### **Technical Computer Science Skills**

- JAVA, Python, C, C++
- JavaScript (Typescript), CSS(SCSS), HTML
- React.js
- MySQL, PHP
- Using Amazon Cognito, RDS, etc.

#### **Language Skills**

- Korean (First Language)
- English (Proficient)
- Japanese (Study from high school & Took 100s level in University - Basic conversation or writing possible)

#### **Technical Computer Skills**

- Word Processing: MS Words
- Spreadsheets: MS Excel
- Presentation: MS PowerPoint, Prezi

## EXPERIENCE

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### **Tutoring**

**January 2019 – January 2022**

- Making teaching stuff and teaching high school students
- From high school up to January 2022, I continually doing tutoring to high school students for ACT, AP Economics, AP Chemistry, AP Calculus and AP Computer science.

### **Computer Science Teacher (Intern)**

**February 2021 – August 2021(except June)**

Zoom and Jeju Island, Republic of Korea

QDGIS (Qingdao Galaxy International School)

- Creating class materials using IntelliJ, power points and words
- Teaching JAVA Programming in the international high school (teach basic programming as summer camp teacher and AP computer science for after school class)

### **Biology Teacher**

**October 2021 – February 2021**

Zoom

QDGIS (Qingdao Galaxy International School)

- Teaching basic biology for grade 7-8 and AP biology for grade 10-12
- Making exams and marking for the exams
- Collaborating with other biology teachers

### **Barista**

**May 2019 – August 2019**

Coffeebanhada, Bucheon, Republic of Korea

### **Waitress**

**May 2019 – August 2019**

Rolling Pasta, Bucheon, Republic of Korea

### **Barista**

**October 2018 – December 2018**

Caffe Bene, Bucheon, Republic of Korea

- Created a valuable connection with customers by using strong communication abilities and exceptional customer service.

## **VOLUNTEER EXPERIENCE**

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### **Vietnam global volunteer work**

**July 11, 2015 – July 19, 2015**

NGO Food for the Hungry International

- A leader of team for global volunteer work
- Planning and preparing for materials and conveying notices to other students
- Teaching physical education to children.

### **Tutoring**

**October 2021 – October 2021**

Seomna Community Child Care Center, Yangcheon, Seoul

- Teaching math and science to elementary school students