



# JOEL THOMAS HEMPEL

✉ joelhempel35@gmail.com     www.linkedin.com/in/JoelHempel     https://github.com/JOELh  
📍 531 W18th Ave, Vancouver, BC    ☎ (778)-988-3112

## OBJECTIVE

To apply my programming knowledge in a real-world setting and to gain experience working in a team of programmers.

## PROJECTS – SEE GITHUB FOR PROJECTS

### Chore Tracking Application

Sept. 2022 – Dec. 2022

- Constructing an interactive chore tracking application
- Used Java 8, Swing, test-driven development, and applied object-oriented design principles

### Constraint Satisfaction Problem Solver (*Intro to AI*)

Oct. 2022

- Solving a Constraint Satisfaction Problem (CSP) by using Depth-First Search with path pruning
- Used Java 8, and developed a recursive solution that allows for use of a search heuristic

### Mini-Game

Feb. 2022

- Creating a program to mimic the game "osu!"
- Used Java 8 and JavaFX. This is my first independent project after being introduced to object-oriented programming and JavaFX

## EXPERIENCES

### IT Undergraduate Intern, *Industrial Light & Magic (Lucasfilm Ltd.)*

May 2022 – Aug. 2022

- Experienced the fast-paced workflow of the IT, software, and art departments at a world class VFX studio
- Worked and communicated quickly and effectively with IT Team to coordinate daily operations
- Solved nearly 300 tickets by communicating effectively with clients

### Soccer Coach, *Richmond FC*

Aug. 2020 – Jul. 2021

- Developed safe, fun, and useful practice plans for children aged 5-16
- Communicated effectively with staff, players, and parents to allow for smooth operations during the pandemic

## EDUCATION

**University of British Columbia, BC** – Bachelor of Science, Computer

Expected Graduation: 2025

**Langara College, BC** – Fulfilling Requirements for UBC (*CGPA: 4.17/4.33*)

2020 - 2022

## TECHNICAL SKILLS

**Programming:** Java and C++ (Proficient), HTML (Developing), CSS (Developing), Python (Developing)

**Languages:** English and German (Native), Spanish (Developing)

## RECENT AWARDS

- Langara College "Ernest E. Livesey Memorial Prize in Mathematics" (2022)
- Langara Students' Union "LSU Faculty of Science Award" (2022)
- Langara College "Dean's Honor Roll" (2021)

## REFERENCES

References available upon request.