# Derek Wang

(236) 990-3888   DEREKWANGSZ@GMAIL.COM

## SUMMARY

- Enthusiastic and quick-learner of programming and software development technologies

- Well-rounded individual with vibrant extracurriculars in sports and arts

- Positive member who can work independently or collaboratively in a team

- Goal-oriented and self-motivated person with resilience and strong problem-solving skills

- Excellent educating and communications skills developed by being Academic Assistant at Kumon and as a private snowboarding coach

## EDUCATION

University of British Columbia
*Bachelor of Science - Major in Computer Science*                    Anticipated 2027
Straight A's First Year

## EXPERIENCE

### PARTICIPANT OF NWPLUS HACKCAMP 2023 & NWHACKS 2024
- Collaborated with fellow developers in group setting to build full-fledged websites
- CSS, HTML, JavaScript integration

### ACADEMIC ASSISTANT, KUMON CANADA, PORT MOODY — FEB 2022 - APR 2023
- Marked students' homework and in-class work
- Provided constructive feedback to students to maximize academic growth
- Communicated with my colleagues about needs of different students

### SNOWBOARD COACH, CYPRESS MOUNTAIN — PRIVATE
- CASI-ACMS Certified Level 1 Snowboard Instructor
- Instilled proper technical progression to complete beginners
- Combination of explanation, demonstration, and practice
- Responsibility of guiding students on the slopes in a safe and fun manner

## LANGUAGE SKILLS

Fluent in both English & Chinese

## QUALIFICATIONS & SKILLS

Solid working understanding of Data Structures and Algorithms

SWIFT
- Able to build fully-fledged iOS apps from scratch
- Familiar with Xcode & GitHub collaboration
- Experienced in constructing custom User Interfaces with SwiftUI
- Local data persistence with SwiftData
- Make API (Application Programming Interface) calls with URLSession & JSON Parsing

PYTHON & R
- Proficient in using Python & R for data wrangling & visualization

PROBLEM SOLVING
- Strong ability to break down problems
- Persevere to find solutions

## PROJECTS USING SWIFT & SWIFTUI

*IJOURNAL* - IOS JOURNAL APP
- A CRUD app that allows users to attach photos and write about their day in entries
- Animations and gestures
- Sort & search functionalities
- Data flow & State management
- Local storage with *SwiftData* framework

*RECIPINNED* - IOS CULINARY APP
- A recipe search app that allows users to browse through online recipes
- Local persistence via *FileManager*
- WebSession calls to *Edamame API*
- JSON Parsing with *Codable* model
- *Async/await* & concurrency management

*GITHUB:* HTTPS://GITHUB.COM/DEREKWANGSZ

## EXTRACURRICULARS

SOCCER (2014 - CURRENT)
- Port Moody Soccer Club, Metro Select League (2018 - 2023)
  - Boys U14 BC Provincial A Cup 2019 Champions

GUITAR (2015 - CURRENT)
- Heritage Woods Secondary School: *Outstanding Musician 2023*
- *Whistler Con Brio Festival 2023:* Jazz Band Gold Award