

DOUGLAS ZHONG

OPEN TO 4 MONTH WORK TERMS

TECHNICAL EXPERIENCE/PROJECTS

QUIZLET BUT WORSE

Simple Java Personal Project – CPSC 210 / Sept 2021 – Nov 2021

- Created a simple flashcard card application that can store collections of flashcards as a JSON objects allowing user to save and load data
- Built a functional GUI using Java Swing
- Performed thorough unit testing using JUnit
- Gained experience in ideating and executing user stories

HACKATHONS

- HackCamp 2021
- nwHacks 2022

EXPERIENCE

SOFTWARE PRODUCT ENGINEER INTERN

Intel Canada, Vancouver, BC / May 2022 - Present

- Reduced up to 90% of time spent on testing workflows by introducing more automation to the pipeline
- Maintained the open-source SVT-AV1 repository by debugging issues, deploying fixes, and reviewing merges
- Benchmarked and validated the performance of multiple products across several platforms
- Analyzed encoded video quality to improve encoder performance
- Optimized AWS costs and time by introducing Terraform into the workflow

PIANO TEACHER

Self-Employed, Vancouver, BC / Sep 2015 - Present

- Taught 10+ students from absolute beginner up to RCM level 10
- Cooperated with parents and students to structure long-term and short-term goals for developing musical interests and skills

CLINICAL RESEARCH ASSISTANT

Providence Health Care May 2020 - Dec 2020

- Coordinated four separate foot and ankle research studies
- Created protocols for new and current studies for research during COVID-19
- Developed and managed several REDCap databases for survey data collection
- Compiled and analyzed data in Excel and produced data reports for surgeons

HUMAN RESOURCES STAFF MEMBER


Anime Revolution Inc Mar 2017 - Jun 2020


- Planned and organized logistical and practical details for the 3-day convention
- Organized and scheduled shifts for 100+ staff and volunteers across several departments to make sure that the convention runs effectively and smoothly

STUDENT RESEARCH ASSISTANT

SignalChem Biotech Inc Jan 2019 - Sep 2019

- Successfully implemented the cloning workflow to create 10+ protein products based on custom orders
- Performed various enzymatic assays for quality control to ensure customers received high quality proteins

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 <https://github.com/hdzhong>

 <https://www.linkedin.com/in/douglas-zhong/>

 <https://hdzhong.github.io/resume-site>

EDUCATION

UNIVERSITY OF BRITISH COLUMBIA Vancouver

Bachelor of Computer Science (Expected graduation May 2024)

UNIVERSITY OF BRITISH COLUMBIA Vancouver, BC

Bachelor of Science Microbiology and Immunology (Jun 2021)

COURSERA WITH GOOGLE

Google Data Analytics Certificate (Jun 2021)

TECHNICAL SKILLS

C/C++

Bash

Linux

AWS/Terraform

GDB testing

Java

JUnit testing

Basic data structures

GitLab/GitHub

Python

Basic SQL

Working knowledge of HTML/CSS/JS

Strong communication

Leadership

Data-driven thinking