DOUGLAS ZHONG

UBC Science Co-op

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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

ANIME DATABASE
CPSC 304 / Mar 2023 – Apr 2023
- Created a simple anime database using PHP/JS/SQL
- Data was stored and maintained using Oracle DBMS

EXPERIENCE

SOFTWARE PRODUCT ENGINEER INTERN
Intel Canada, Vancouver, BC / May 2022 – Dec 2022
- 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

CONTACT/SOCIALS

Email: douglaszhong@gmail.com
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LinkedIn: linkedin.com/in/douglas-zhong/
Website: hdzhong.github.io/resume-site/

EDUCATION

UNIVERSITY OF BRITISH COLUMBIA Vancouver
Bachelor of Computer Science (Sept 2021 – May 2024)

UNIVERSITY OF BRITISH COLUMBIA Vancouver, BC
Bachelor of Science Microbiology and Immunology (May 2021)

COURSERA WITH GOOGLE
Google Data Analytics Certificate (Jun 2021)

TECHNICAL SKILLS

TypeScript

C/C++

Bash

Linux

AWS/Terraform

Java

GitLab/GitHub

Python

SQL

HTML/CSS/JS