

Derek Chen

(778) 317 3883 📞 | derekc150@gmail.com ✉ | derekchen.dev 🌐 | [drek](#) in | [dchen150](#) 🔗

Experience

Software Developer Intern

May 2021 – Present

Orbis Investments

C#, SQL, .NET Core, AWS EC2, Angular JS

- Developing full stack for fund portfolio management with \$30 billion of assets under management

Software Engineer Intern

Jan 2021 – Apr 2021

Huawei

Java, Python, Flask, Maven, Spring, YANG

- Built and configured NGINX reverse proxy with load balancing to handle real time socket connection between frontend and backend which increased traffic flow efficiency by 23%
- Architected and modified an open-source project to develop a microservice that extracts a subtree and its dependencies from tree/graph structure
- Implemented REST APIs that convert YANG data model to XML, JSON, and Java

Software Developer Intern

May 2020 – Dec 2020

SAP

Python, Selenium, JavaScript, Apache Airflow, SQL

- Reduce runtime of external facing REST API by 30% by optimizing backend logic
- Designed and implemented data pipeline using Apache Airflow & Python for workflow management of more than 1 million users/clients
- Led the overhaul and redesign of regression automation tests written in Python and Selenium deployed on Jenkins which improved consistency by 80% for production deployment

CS Teaching Assistant

Sept 2019 – Apr 2020

University of British Columbia

Java, JavaFX, Swing, JUnit

- Led programming labs for over 100 students, explaining programming concepts in Java including OOP, writing tests, design patterns, and type hierarchies
- Guided students with personal projects that applies SOLID design principles and GUI development

Education

University of British Columbia

Vancouver, BC

BSc. of Computer Science - Dean's Honour List 2018 & 2019 (4.0 CS GPA)

Expected Grad:

May 2023

Community Projects (Extracurriculars)

Internal Tools Developer

May 2020 – Present

nwPlus – Western Canada's Premier Hackathon Club

React, Yarn, Next.js, Firebase, JavaScript

- Led the development of an assessment portal for 100+ concurrent hackathon applicants
- Developed Content Management System to manage hackathon and external web apps

Developer Lead

Sept 2019 – Present

UBC BizTech – UBC's Biggest Tech Club

Node.js, AWS, Lambda Functions, React, JavaScript

- Collaborated with stakeholders to optimize project scope and development process - resulting in being awarded UBC's CUS Innovation Award
- Managed team of 8 developers to build web app for membership sign up, event registration, virtual sticker collection, and data analytics for executives

Technical Projects

First Hello – nwHacks 2020 "Best Use of Google Cloud"

Java, Azure Face, Firebase

- Created a mobile app, using facial recognition to identify people and their interests to improve networking
- Designed and implemented Firebase schema to store dozens of images and user data