

Derek Chen

☎ (778) 317-3883 | ✉ derekc150@gmail.com | 🌐 <https://derek-chenn.web.app> | 📄 dchen150 | in drek

Education

University of British Columbia

Vancouver, BC

BACHELOR OF SCIENCE IN COMPUTER SCIENCE (4.10/4.33)

2018-2023

- **Relevant Coursework**, Software Engineering, Algorithm and Data Structures, Operating Systems, Design Principles

Skills

Languages Java, JavaScript, TypeScript, Python, C, C++, HTML, CSS, SQL, XML

Technologies React, Redux, AWS, Firebase, Github Actions, Git, Node.js, Jira, Selenium, Docker, DynamoDB, Jenkins

Experience

SAP

Vancouver, BC

SOFTWARE DEVELOPER INTERN

May 2020 - PRESENT

- Worked on security team - User Management, Licensing, Core UI
- Reduced runtime of external facing REST API by 30% by optimizing backend logic
- Designed and implemented data pipeline using Apache Airflow for workflow management
- Led the overhaul and redesign of regression automation tests written in Python and Selenium deployed on Jenkins which improved consistency by 80%
- Increased reliability in unit tests by mocking database calls and refactoring Javascript production code

UBC Computer Science Department

Vancouver, BC

TEACHING ASSISTANT

Sept. 2019 - May. 2020

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

nwPlus

Vancouver, BC

INTERNAL TOOLS DEVELOPER (VOLUNTEER)

May. 2020 - PRESENT

- Developed websites that allow execs to manage hackathons, event websites, and application evaluation portal using React, yarn, and Firebase Storage/Firestore
- Implemented a pipeline by writing scripts on Github Actions and Travis CI/CD that reduced regression

UBC BizTech

Vancouver, BC

DEVELOPER LEAD (VOLUNTEER)

Sept. 2019 - PRESENT

- Managing a team of 8 developers for a React/Redux web app with tasks involving development, collaboration with design and marketing teams, and onboarding
- Created a custom API on a serverless backend by leveraging cloud tools such as AWS Lambda, DynamoDB, API Gateway, and S3 buckets
- Implemented infrastructure tools using React, Redux, JavaScript, and Node.js that allows executives to manage and create events 30% more efficiently

Projects

First Hello

NWHACKS 2020 - BEST USE OF GOOGLE CLOUD (1ST PLACE)

- Collaborated with 4 peers to develop a **mobile app** written in **Java** that makes networking easier
- Designed and implemented **Firebase Storage/Firestore** schema to store dozens of images and user data that can be efficiently queried and written to
- Integrated **Microsoft Azure** (REST API) for facial detection and verification with live camera input through an XML UI

ChatrMaps

LOCAL HACKDAY

- Worked in a team of 3 to develop a **web app** that allows users to create or join chat rooms within their proximity using **Javascript, React, HTML5, CSS3**
- Implemented components using technologies such as Google Maps API, Material-UI, and Scaledrone to build the map and chatroom

NBA Player Dashboard

PERSONAL PROJECT

- Developed an app that runs in terminal which web scrapes ESPN for an NBA player's stats using **JavaScript, Node.js** and **Cheerio**
- Implemented real time data visualization that updates whenever a player plays a game