

ALICE KIM

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TECHNICAL SKILLS

Programming Java, Go, TypeScript, JavaScript, Python, C++
Other Git, AWS, Docker, Kubernetes

Database MySQL, Postgres, MongoDB, Google Firebase
Web Node.js, Express.js, React, Vue, GraphQL

EDUCATION

University of British Columbia • BSc. of Computer Science • GPA 4/4.33 Expected Grad of Dec 2021

- Faculty of Science International Student Scholarship 2016, 2017
- Trek Excellence Scholarship for International Students 2016
- Chancellor's Scholar Award 2015
- Relevant courses: Data Structure and Algorithm, Internet Computing, Machine Learning and Data Mining, Advanced Operating Systems, Parallel Computation, Computer Vision, Distributed Systems

EXPERIENCE

Software Developer Intern • Google 05/2021 – Present

- Implement core component of wireless carrier activation workflow at Google Store Wireless Activation team
- Develop parallel data-processing pipelines that transfers files between Google internal database to external party via SFTP that is expected to increase revenue for each Pixel and offers a holistic experience for the customer

Software Developer Intern • SAP Concur 09/2019 – 04/2020

- Enhance core components of credit card registration workflow in **React** to deliver better user experience
- Use **GraphQL** to query credit card types to help simplifying clients' registration process which is expected to impact **46.5 million** end users worldwide
- Craft Helm charts to build, test, and deploy application using **Docker** and **Kubernetes** on **AWS** as part of CI/CD pipeline

Quality Assurance Support Specialist • UBC IT Web Services 01/2018 – 08/2018

- Implement custom **Drupal** modules such as image collage or parking availability status dashboard in **JavaScript**
- Build script for automated regression tests using **Selenium** managing 50+ websites to save approx. 10 minutes per site

Undergraduate Teaching Assistant • UBC Department of Computer Science 05/2017 – Present

- Assist CPSC 210 (Software Construction) in Java and CPSC 310 (Introduction to Software Engineering) in **TypeScript**
- Lead office hours and weekly labs 8 hours/week to help 30+ students with asynchronous programming, working with **Git**, and unit testing using JUnit, Mocha and Chai library

PROJECTS

Predictive Text Studio • CANOSP, canosp.ca • predictivetext.studio 01/2021 - Present

- Participate in the directed studies course to work on one of the existing open-source projects as part of CANOSP program
- Work on the **Svelte** web app to process user supplied list of words to compose KMP file and integration with Google Sheets API

Open up! • Hack the North 2020++ • [bit.ly/ oss](https://bit.ly/oss) 01/2021

- Build an open-source project dashboard to feature those that lacks the resources and attention to maintain their projects
- Use criticality score to measure the importance of open-source projects to give better visibility to those that are in need of help
- Store pre-fetched data from GitHub API on **Postgres** to be fetched via **GraphQL** to query for the list of most critical projects, etc.

nwHacks 2020 • nwPlus, nwplus.io • nwhacks.io 11/2020 – 12/2020

- Build a **Vue** web app to promote and accept **1500+** applications for nwHacks 2020 hackathon event organized by nwPlus team

pik • Personal project • akhl.me 08/2020

- Build a social media platform that provides a summary based on image analysis via Google Cloud Vision API
- Implement core components in **React** and store user and associated image data on **Redux** fetched from **MongoDB**
- Store images uploaded by user in **AWS S3** and handle authentication using Google OAuth 2.0 deployed via Heroku
- Enhance image loading by **82%** after implementing lazy loading using image resizing to serve **150+** photos

Go Doggy • VanHacks 2019, 1st Place 09/2019

- Build a **React Native** app to connect volunteers and local animal shelters to promote dog walking program
- Use Apple Maps API to display locations of nearby local animal shelters