

# ALICE KIM

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## TECHNICAL SKILLS

<b>Programming</b>	Java, Go, TypeScript, JavaScript, Python, C++	<b>Database</b>	MySQL, Postgres, MongoDB, Google Firebase
<b>Other</b>	Git, AWS, Unity, Docker, Kubernetes	<b>Web</b>	Node.js, Express.js, React, Vue, Angular, GraphQL

## EDUCATION

**University of British Columbia** • BSc. of Computer Science • GPA 4.2/4.33 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** • SAP Concur 09/2019 – 04/2020

- Enhanced 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

- Assisted 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](http://canosp.ca) • [predictivetext.studio](http://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](http://nwplus.io) • [nwhacks.io](http://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](http://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

**Interview Scheduling System** • Academic project • [bit.ly/op319](https://bit.ly/op319) 09/2019 – 12/2019

- Build a **React** web app that provides user with the list of potential interview slots given a list of participants
- Work closely with senior developers at Galvanize to scope and document requirements based on project proposal
- Use Microsoft Graph API to access scheduled events on Microsoft Outlook utilizing **Node** and **Express**

**Go Doggy** • VanHacks 2019, 1<sup>st</sup> 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