

# ALICE KIM

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## TECHNICAL SKILLS

**Programming** Java, JavaScript, Python, C++  
**Other** Git, AWS, Unity, Docker, MySQL

**Mobile** React Native, Expo, Flutter  
**Web** 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 May 2021

- Faculty of Science International Student Scholarship 2016, 2017
- Trek Excellence Scholarship for International Students 2016
- Chancellor's Scholar Award 2015
- **Relevant courses:** Intermediate Algorithm Design and Analysis, Internet Computing, Machine Learning and Data Mining, Advanced Operating Systems, Parallel Computation, Software Engineering Project, Industry Skills in Academia!

## 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

**pik** • Personal project • [akhl.me](https://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

**Tetris: Find the Gem** • Global Game Jam Vancouver • [bit.ly/ Tetris](https://bit.ly/Tetris) 01/2020

- Build a Tetris game in **Unity** with a stage mode where user must find and clear gems to advance to the next level
- Implement core features of the modern Tetris series: scoring system, preview of the next block, ghost and hard drop in **C#**

**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

## COMMUNITY INVOLVEMENT

**Developer** • UBC LaunchPad, student club • [ubclaunchpad.com](https://ubclaunchpad.com) 09/2020 – Present

- Work as a group of **12** to build an end-to-end web app to enhance user experience as a UBC student during course registration

**External Developer** • nwPlus, student club • [nwplus.io](https://nwplus.io) 05/2020 – Present

- Build 3 sites in **Vue.js** to promote hackathon events deployed via **AWS** with data fetched from **Google Firebase**