

# Ali Khamesy

[alikhamesy.com](http://alikhamesy.com) | [alikhamesy0@gmail.com](mailto:alikhamesy0@gmail.com) | 1 778 868 8773 | Vancouver, BC

## Education

### Simon Fraser University

BSc Computer Science | Fall 2017 - Spring 2022 | Vancouver, BC

Dean's Honour Roll - Summer 2020, Fall 2020, Spring 2022

## Experience

### Software Engineer

Google | Aug 2022 - Current | Mountain View, CA

- Improving the user experience of Google Photos, making it a home for all photos using Android and Java.

### Software Engineer Intern

SAP | May 2021 - Dec 2021 | Vancouver, BC

- Developed highly requested features that alleviate customer pain points.
- Ensured product quality through the development of both unit tests and automated end to end tests.
- Improved user experience by fixing high priority frontend and backend bugs.

### Software Engineer Intern

Microsoft | Sept 2019 - Dec 2019 | Vancouver, BC

- Steered prioritization of OneDrive Photos features by researching feasibility and impact of different features such as 360 image viewer.
- Greatly improved user experience on OneDrive Mobile by creating zero term query features with Qt, Java and Kotlin.

### Software Engineer Intern

Microsoft | May 2019 - Aug 2019 | Vancouver, BC

- Increased confidence in data by creating Project Ranger, a data validation tool written in python to confirm accuracy of hardware telemetry data.
- Significantly reduced overhead in creating full stack web apps by creating Web Template Studio. With 55 000 downloads, WebTS generates boilerplate code for any mix and match of React, Vue, Angular, Node, Flask, Molecular and ASP.NET built in Typescript.

## Projects

### parse-diff March 2021 - Present

Heavily contributed to the open source JS tool parse-diff with 300,000+ weekly downloads on NPM which can parse git diffs for easier manipulation and displaying. [npmjs.com/package/parse-diff](https://npmjs.com/package/parse-diff)

### StormHacks Website Nov 2020 - Jan 2021

Lead development of the StormHacks website for over 1000 applicants and 10 sponsors to view. Used React and GitHub in a team of four. [stormhacks.com](http://stormhacks.com) [github.com/sfusurge/hackathon](https://github.com/sfusurge/hackathon)

## Skills & Interests

### Programming

JavaScript • Typescript • HTML/CSS • C • Python • Java/Kotlin • x86 • SQL • C++ • C# • R  
React • NodeJS • SAPUI5 • Express • Vue • Android • Django • Qt • Bootstrap

### Technologies

Git • Unity • Bash • Linux/Windows • Adobe Lightroom • Figma • Microsoft Office

### Hobbies

Programming • Landscape, Street & Portrait Photography • Gaming • Tutoring • Statistics

## Volunteering

### Computer Science Peer Tutor Simon Fraser University | Sept 2018 - Dec 2018

Peer Tutored class of 500 computer science majors on the core concepts of programming to improve the knowledge and understanding of the class. Successfully introduced this new program to the Computer Science Department.