

# Ali Khamesy

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## Education

### Simon Fraser University

BSc Computer Science | Fall 2017 - Summer 2022 | Vancouver BC

Dean's Honour Roll - Summer 2020, Fall 2020

## Experience

### Software Engineer Intern

SAP | May 2021 - Dec 2021 (current) | Vancouver BC

- Developing highly requested features that alleviate customer pain points.
- Ensuring product quality through the development of both unit tests and automated end to end tests.
- Improving 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 Garage | 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.

### FAS Formal Organizing Committee Simon Fraser University | Sept 2017 - May 2020 | Vancouver BC

For two years in a row, ran a large scale event with a budget of ~\$18,000 for Applied Sciences students to network, celebrate achievements while also connecting with professors, administrators and alumni.