






# NATHAN TANNAR

 nathantannar.me       linkedin.com/in/nathantannar       nathantannar4@gmail.com       604-355-6292       github.com/nathantannar4

## EDUCATION

|  |                              |          |
|--|------------------------------|----------|
| Simon Fraser University<br>GRADUATING APRIL 2019 | B.A.Sc. Computer Engineering | 4th Year |
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## TECHNICAL SKILLS

|              |  |
|--------------|--|
| Languages    | Swift, C/C++, JavaScript, HTML, CSS                                  |
| Software     | Git, XCode, CocoaPods, NGINX, Postman, Fastlane                      |
| Technologies | RESTful, Node.js, MongoDB, Google Cloud Platform, Push Notifications |

## WORK EXPERIENCE

|  |   |
|--|---|
| <b>System Support Engineer Intern</b><br>SAP Canada<br>MAY 2016 – APRIL 2017 | <ul style="list-style-type: none"><li>• Provided support for the world's leading enterprise application server, SAP NetWeaver, to customers and colleagues</li><li>• Debugged errors during upgrades, installations, source code implementation and database migrations</li><li>• Actively identified and suggested new technologies and tools for enhancing the team's productivity</li></ul>  |
| <b>iOS Developer Intern</b><br>SAP Canada<br>OCT 2016 – JAN 2017             | <ul style="list-style-type: none"><li>• Built, tested and deployed a native iOS app used internally by SAP employees worldwide</li><li>• Implemented a backend connection to the SAP Cloud Platform to pull employee discounts and incentives to the user dynamically based on location</li><li>• Implemented search and sorting functionality when viewing the data on a list or map</li></ul> |
| <b>Programming Mentor</b><br>Udacity<br>NOV 2017 – PRESENT                   | <ul style="list-style-type: none"><li>• Served as a mentor to over 100 students online who were learning programming for the first time</li><li>• Helped to promote correct coding conventions and best practices</li><li>• Reviewed student's projects and submitted feedback to help them improve</li></ul>   |
| <b>Franchise Owner/Operator</b><br>Student Works<br>JAN 2015 – SEPT 2015     | <ul style="list-style-type: none"><li>• Developed and executed marketing programs / general business solutions resulting in increased company exposure, customer traffic and sales</li><li>• Responded to high pressure and time constrained situations</li><li>• Placed in the <b>Top 5 Rookie Franchisee Operators</b> in Western Canada and awarded the <b>Fast Start Award</b></li></ul>    |

## OPEN SOURCE CONTRIBUTIONS

|  |  |
|--|--|
| <b>MessageKit</b><br>iOS Framework<br>AUG 2017 – PRESENT | <ul style="list-style-type: none"><li>• Collaborated with other contributors on Slack and GitHub to develop a customizable chat UI library in Swift to replace JSQMessagesViewController</li><li>• <b>Developed 1 of the 3 key components</b>, a reactive InputAccessoryView that makes it easy to make dynamic input bars for sending messages</li><li>• Aided with the architectural planning with other core project members</li><li>• Maintains over <b>1700 stars on GitHub</b> and growing</li></ul> |
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## SELF-DRIVEN PROJECTS

### Parse Dashboard for iOS iOS Application

MARCH 2017 - PRESENT

- A mobile client for viewing and editing objects stored in a Parse Server via REST
- Parsed JSON and inferred data types to determine a more user-friendly interface
- Launched on App Store and reached **over 5000 downloads** worldwide, **four 5-Star Reviews**

### Loki – Emotion AI iOS App

NWHacks 2018

- Leveraged ARKit to feed data into TensorFlow and create a machine learning model to read emotions in real time
- Developed with teammates at a hackathon as a proof-of-concept that face scanning could be used to deliver targeted advertising to users in real time

### Engage | Create your own Social Network iOS Application

FEB 2016 – OCT 2016

- A dynamic group based social networking application with role based permissions
- Implemented private and group messaging with push notifications
- Learned to work with popular open-source libraries
- Launched to the Apple App Store

### Personal Webserver

AUGUST 2016 – PRESENT

- Configured a virtual private server to host Nginx, MongoDB and Node.js runtimes to serve as a backend to my other projects

## VOLUNTEER EXPERIENCE

### Faculty of Applied Science High School Ambassador Simon Fraser University

SEPT 2017 – FEB 2018

- Organized presentations with teachers in local Vancouver high schools
- Spoke to grade 11 and 12 students about the opportunities you can seize by perusing a passion for technology and applied science

### Chair SAP Vancouver Intern Community

SEPT 2016 – APRIL 2017

- Created, proposed and maintained the first annual budget given to the community
- Lead the organization of an external Hackathon targeted at finding new early talent
- Assisted with the onboarding of new interns
- Helped plan and executed everything from small weekly events to larger site wide events
- Hosted presentations on workplace expectations and the importance of networking

### VP Communications Western Engineering Competition 2017

APRIL 2016 – FEB 2017

- Designed and programmed a website that included a portal where delegates could register, submit required files, and interact with others
- Helped to design graphics and resources used for branding, attracting sponsors the competition itself
- Worked with a team of volunteers during the event to ensure events ran smoothly
- Created transition documents for the incoming organizing committee of 2018

## HOBBIES & INTERESTS

Motorcycles



Travel



Graphic Design



Photography

