# **NATHAN TANNAR**



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### **EDUCATION**

Simon Fraser University

B.A.Sc. Computer Engineering

5th Year

**GRADUATING 2019** 

Dean's Honor Roll Recipient 2017/2018

#### TECHNICAL SKILLS

Languages Software **Technologies**  Swift, C/C++, JavaScript, HTML, CSS

Git, XCode, CocoaPods, NGINX, Postman, Fastlane

RESTful, Node.js, MongoDB, Google Cloud Platform, iTunesConnect, Push Notifications

#### **WORK EXPERIENCE**

### iOS Engineering Intern Form Athletica

SEPT 2018 - PRESENT

# Contributing to developing the MVP of next generation augmented reality fitness gear

Evolving the core architecture to ensure future maintainability and reliability

### **Programming Mentor** Udacity

NOV 2017 - AUG 2018

- Served as a mentor to over 100 students online who were learning programming for the first time
- Helped to promote correct coding conventions and best practices
- Reviewed student's projects and submitted feedback to help them improve

## **System Support Engineer** Intern

SAP Canada MAY 2016 - APRIL 2017

- Built, tested and deployed a native iOS app used internally by SAP employees worldwide
- Implemented a backend connection to the SAP Cloud Platform to pull employee discounts and incentives to the user dynamically based on location
- Implemented search and sorting functionality when viewing the data on a list or map

# iOS Developer Intern SAP Canada

OCT 2016 - JAN 2017

- Built, tested and deployed a native iOS app used internally by SAP employees worldwide
- Implemented a backend connection to the SAP Cloud Platform to pull employee discounts and incentives to the user dynamically based on location
- Implemented search and sorting functionality when viewing the data on a list or map

### OPEN SOURCE CONTRIBUTIONS

### MessageKit iOS Framework

AUG 2017 - PRESENT

- Collaborated with other contributors on Slack and GitHub to develop a customizable chat UI library in Swift to replace JSQMessagesViewController
- Developed a reactive InputAccessoryView for creating dynamic message input bars
- Replicated the style and animations of iMessages's typing indicator
- Aided with the architectural planning with other core project members
- Maintains nearly 2200 stars on GitHub and growing

# **NATHAN TANNAR**

### SELF-DRIVEN PROJECTS

# Parse Dashboard for iOS iOS Application

MARCH 2017 - MAY 2018

# **Loki – Emotion AI** iOS Application

NWHacks 2018

#### Personal Webserver

AUG 2016 - 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 6000 downloads worldwide
- 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 emotion recognition could be used to deliver targeted advertising to users in real time
- Configured a remote instance on Google Cloud Platform to host Nginx webserver,
- Managed MongoDB and MySQL databases to serve as a backend to my other projects

### **VOLUNTEER EXPERIENCE**

### Faculty of Applied Science Ambassador

Simon Fraser University

SEPT 2017 - AUG 2018

### Chair SAP Vancouver Intern Community

SEPT 2016 - APRIL 2017

# **VP Communications**Western Engineering Competition 2017

APRIL 2016 - FEB 2017

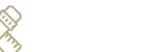
- · Organized presentations with teachers in local Vancouver high schools
- Spoke to grade 11 and 12 students about the opportunities you can seize by perusing a passion for technology and applied science
- Showcased the Engineering Science and Computer Science programs to prospective students
- · Created, 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
- 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

