






NATHAN TANNAR

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EDUCATION

Simon Fraser University GRADUATING 2019	B.A.Sc. Computer Engineering Dean's Honor Roll Recipient 2017/2018	5th 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, iTunesConnect, Push Notifications

WORK EXPERIENCE

iOS Engineering Intern Form Athletica SEPT 2018 - PRESENT	<ul style="list-style-type: none">Contributing to developing the MVP of next generation augmented reality fitness gearEvolving the core architecture to ensure future maintainability and reliability
Programming Mentor Udacity NOV 2017 – AUG 2018	<ul style="list-style-type: none">Served as a mentor to over 100 students online who were learning programming for the first timeHelped to promote correct coding conventions and best practicesReviewed student's projects and submitted feedback to help them improve
System Support Engineer Intern SAP Canada MAY 2016 – APRIL 2017	<ul style="list-style-type: none">Built, tested and deployed a native iOS app used internally by SAP employees worldwideImplemented a backend connection to the SAP Cloud Platform to pull employee discounts and incentives to the user dynamically based on locationImplemented search and sorting functionality when viewing the data on a list or map
iOS Developer Intern SAP Canada OCT 2016 – JAN 2017	<ul style="list-style-type: none">Built, tested and deployed a native iOS app used internally by SAP employees worldwideImplemented a backend connection to the SAP Cloud Platform to pull employee discounts and incentives to the user dynamically based on locationImplemented search and sorting functionality when viewing the data on a list or map

OPEN SOURCE CONTRIBUTIONS

MessageKit iOS Framework AUG 2017 – PRESENT	<ul style="list-style-type: none">Collaborated with other contributors on Slack and GitHub to develop a customizable chat UI library in Swift to replace JSQMessagesViewControllerDeveloped a reactive InputAccessoryView for creating dynamic message input barsReplicated the style and animations of iMessages's typing indicatorAided with the architectural planning with other core project membersMaintains nearly 2200 stars on GitHub and growing
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SELF-DRIVEN PROJECTS

Parse Dashboard for iOS iOS Application

MARCH 2017 – MAY 2018

- 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

Loki – Emotion AI iOS Application

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 emotion recognition could be used to deliver targeted advertising to users in real time

Personal Webserver

AUG 2016 – PRESENT

- 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

- 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

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

