

NATHAN TANNAR

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PROFILE

Upcoming Computer Engineering undergraduate with 3 years of passionate software development experience from internships, personal projects and open-source contributions.

SKILLS

Swift, Objective-C
Java, JavaScript, SQL, HTML/CSS
C/C++, Git

PROFESSIONAL EXPERIENCE

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|---|---------------------------------|-----------------------|
| iOS Software Engineer (Intern) | Form Athletica (Startup) | SEPT 2018 – DEC 2018 |
| <ul style="list-style-type: none">Optimized the networking layer by 40% by improving the data decoding, background processing and cachingEstablished automation scripts to eliminate manual deployment of version releasesUtilized reactive programming, the MVVM architecture and dependency-injection to write testable softwareAmazed UI/UX designers by creating pixel perfect user interfaces from their specifications | | |
| Programming Mentor | Udacity | SEPT 2018 – DEC 2018 |
| <ul style="list-style-type: none">Lead students towards success by promoting correct coding conventions and best practicesParticipated as a mentor to hundreds of students online who were learning software development for the first timeSubmitted code review for student's projects Python, HTML and JavaScript projects | | |
| System Support Engineer (Intern) | SAP Canada | MAY 2016 – APRIL 2017 |
| <ul style="list-style-type: none">Developed an internal iOS app that was built upon SAP's mobile development platformReacted quickly to solve critical issues that affected the unexpected downtime of customers systemsDebugged bugs during upgrades, installations, source code implementation and database migrationsPublished internal and external documentation on resolutions to common problems | | |

OPEN-SOURCE / PERSONAL PROJECTS

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| MessageKit / InputBarAccessoryView | iOS Framework | AUG 2017 – PRESENT |
| <ul style="list-style-type: none">Spearheaded the development of a robust and versatile message input bar, a key component of the frameworkImplemented autocomplete functionality for users, hashtags or any other keywordUtilized the CoreAnimation framework to prototype a typing indicator to match the style of iMessageMaintains nearly 2600 stars on GitHub and growing | | |
| Parse Dashboard for iOS | iOS Application | SEPT 2018 – DEC 2018 |
| <ul style="list-style-type: none">Piloted a mobile client for viewing and editing objects stored in Facebook's open-source Parse Server databaseParsed JSON to infer data types to determine a more user-friendly interfaceDeveloped features that utilized Apple's In-App-Purchase API's for microtransactionsLaunched on App Store to reach over 6000 downloads worldwide | | |
| Loki – Emotion AI | NWHacks Hackathon Project | JANUARY 2018 |
| <ul style="list-style-type: none">Leveraged ARKit to train a neural net with TensorFlow to produce a machine learning model that accurately read emotions in real time from user's facial reactionsDeveloped 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 | | |

EDUCATION

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| B.A.Sc. Computer Engineering | Simon Fraser University | SEPT 2014 – APRIL 2019 |
| <ul style="list-style-type: none">Achievements: Dean's Honor Roll Recipient 2017/2018Software Coursework Algorithms and Data Structures, Databases, Operating Systems, Machine LearningHardware Coursework: Computer Architecture, Electric Circuits, Digital Logic Design, Signal Processing | | |