

# Nate Tan

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## EDUCATION

**UNIVERSITY OF WASHINGTON**  
BS IN INFORMATICS  
June 2019 | Seattle, WA

## LINKS

<https://github.com/natetan>  
<https://www.linkedin.com/in/nateytan>

## PROGRAMMING

### PROFICIENT WITH

Java, C#, JavaScript, Node.js, React

### FAMILIAR WITH

Swift, Android (Java), R, Python, SQL, PHP

### TECHNOLOGIES

React, Node, Express, .NET Framework

## EXPERIENCE

### ALASKA AIRLINES | ASSOCIATE SOFTWARE DEVELOPER

September 2017 - Present | SeaTac, WA

- Used Xamarin to develop and maintain internal cross-platform mobile applications used for employee support. Worked on multiple new features to enhance the apps for its users
- Utilized machine learning for an app to predict number of bags that need to be checked for a given flight
- Developed and maintained REST APIs for travel related requests, such as listing for and canceling flights
- Used Node.js and SQL Server to provide a platform for employees to easily schedule and manage tech support appointments
- Created a front-end web app for admins to oversee and manage employee travel accounts using React .NET Core
- Provided api support for other teams with integration testing using the JavaScript testing frameworks Mocha and Jest

### ALASKA AIRLINES | MOBILE DEVELOPER INTERN

June 2017 - September 2017 | SeaTac, WA

- Developed and maintained an enterprise cross platform mobile application to measure KPIs for directors.
- Supported the application with the no-SQL database CosmosDB to store documents of information and provided a REST API to access it
- Developed an input form website for more information to be added to the database

## Projects

### DISCORD BOT

January 2019 - current

- Wrote a robust Discord bot in Node.js to help manage a game server with utility and meme functions
- Utilizes the Discord.js API to have chat interactions and chat functionalities
- <https://github.com/natetan/warrior>

### MUSE

School Web Project | 2018

- Built a website that searches for music, movies, and books, and related news
- Utilized the React library for the front end with iTunes and imdb APIs for the backend
- Leverages Google Firebase for user authentication and for storage

### BLOOD PACT - CAPSTONE

January 2019 - June 2019

- Built a website (React) for blood donors to be able to see/share their stats and engage with their community
- Created a texting service using Node.js and Twilio to help people find information about blood donation services
- Implemented RESTful API in Node and Express with Firebase for storage

### MAPPING SHOOTINGS

March 2018

- Utilized Leaflet.js to create multiple interactive maps to display shootings in America in 2018
- Utilized the Python tweepy package and the Twitter API to get the geolocations of tweets about the NRA in reference to shootings
- Wrote Python scripts to convert regular JSON files into GeoJSON files that are utilized by Leaflet and Mapbox