

# Nate Tan

<https://yulong.party>  
[yulongtan67@gmail.com](mailto:yulongtan67@gmail.com) | 206.778.1865

## EDUCATION

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

## LINKS

<https://github.com/yulongtan>  
<https://www.linkedin.com/in/yulongtan>

## 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 DESIGN ENGINEER  
September 2017 - Present | SeaTac, WA

- Used Xamarin to develop and maintain cross-platform mobile applications
- Worked on a machine learning project to predict flight availability
- Developed and maintained REST APIs in C# with the .NET Core framework
- Helped implement new features into various mobile apps
- Used ASP .NET and SQL Server to provide a platform for employees to schedule and manage tech support appointments
- Used React and .NET Core to provide a platform for admins to oversee employee travel details
- Provided api support for another team by writing integration tests using JavaScript testing frameworks, such as Mocha and Sinon

**ALASKA AIRLINES** | MOBILE DEVELOPER INTERN  
June 2017 - September 2017 | SeaTac, WA

- Developed enterprise cross platform mobile applications in C# with Xamarin
- Created a database using Microsoft CosmosDB
- Created a RESTful web API with ASP.NET
- Developed an input form website to read and write data to database

## Projects

### DISCORD BOT

January 2019 - current

- Wrote a robust Discord bot in Node.js to help manage a game by adding utilities
- Utilizes the Discord.js API to have chat interactions and chat functionalities
- <https://github.com/fu-snail/arcane-vortex>

### 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

### 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

### 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