# Sean Lee

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## Skills

### Languages

Swift/Objective-C

Javascript

Java

SQL

HTML5/CSS3

C#

C/C++

### Technologies

iOS

React

Angular

Node.js

Xamarin

Azure

Concourse

Charles

ASP.NET

MongoDB

## Education

**University of Waterloo**

B.Asc. Honours Computer Engineering

Graduating April 2020

## Interests & Activities

Competitive Powerlifting (OPA/CPU)

University of Waterloo Orchestra (Trumpet)

## Personal Website

[seanlee98.github.io](seanlee98.github.io)

## Professional Experience

### iOS Developer  **Wish, San Francisco (Sept 2019 - Present)**

- Performed design experiments related to the New User Experience Flow, increasing first-time users' retention by **12%**

### Agile Software Engineer  **TribalScale, Toronto (Sept 2018 - Dec 2018)**

- Created an internal **React** application that utilizes Github data on employees to enhance allocations for future projects. Leveraged **Redux Saga** for state management and **Jest** with **Enzyme** for test-driven development
- Enhanced the ABC News **iOS** application to improve user experience and add new features for the 2018 US Midterm Elections
- Refactored legacy code (written in **Objective-C**) to **Swift** components that follow **MVVM** architecture and wrote additional unit tests to increase code coverage by **17%**
- Developed and deployed product website for national pharmaceutical company on **React** with **SASS** styling and subscription/contact services through **NodeJS** back-end
- Achieved 1st Place in an internal Ideathon with a startup proposal aimed at disrupting the Transportation industry

### Full-Stack Developer  **Bentley Systems, Toronto (Jan 2018 - Apr 2018)**

- Developed and maintained cross-platform features utilizing **Xamarin.Forms** and **NUnit** testing framework for enterprise mobile applications
- Migrated UI testing coverage to **Visual Studio App Center** to automate tests across hundreds of **Android** and **iOS** devices
- Wrote dynamic **AJAX** calls to an Interoperability project, enabling persistent connection details across engine nodes (running on **Angular** web page integrated with **Azure Service Fabric & Service Bus**)
- Created a producer function to generate random asset data that is published to service bus subscribers, enabling load testing on engine nodes with compiled running times

### iOS Developer  **Capco, Toronto (May 2017 - Aug 2017)**

- Developed and re-launched iOS application for a Top Canadian Bank, providing personal financial services to over two million consumers around the world through an upgraded user experience
- Worked extensively with **UIKit** to implement custom components for core banking features
- Built custom logging framework and unit test cases (**XCTest**) to optimize debugging and increase robustness of codebase

## Projects

### Twitalytics  **ReactJS/Flask/Twitter API/NLTK**

- Created a **React** application that extracts tweets from **Twitter Search API**, performs sentiment analysis, and highlights the public opinion of a topic through data visualizations (**React-Vis**)
- Developed an NLP algorithm using **NLTK** that clusters and prioritizes popular tweets
- Winner of Best Use of Entity Extraction at Hack Western 2018 ([Devpost](Devpost))