

# Nehal Kanetkar

*Pilot. Developer. Engineer*

773 703 2300 · nkanetka@gmail.com · github.com/nkanetka · nkanetka.github.io

## Skills

- Curious and inquisitive front-end developer with 3 years production experience developing web and iOS apps
- Knowledgeable about Swift, reactive coding with Swift and streamlined CI/CD through the development of multiple web and mobile apps
- Clear and effective communicator through experience flying planes and working in team environments
- Excellent multi-domain problem solver from multiple design projects and personal projects

## Languages & Tools

Swift, Objective-C, JavaScript (Vue.js & Node.js), Bash, Python

Git, Charles, Sketch, Xcode, Docker, Travis-CI, Circle-CI, Azure, AWS

## Education

### BASc: Systems Design Engineering

*University Of Waterloo  
Sep 2013 – Apr 2018*

Relevant Courses: Software Design, Data Structures & Algorithms, User Centred Design Methods

### Commercial Pilot

*Jun 2013 – Present*

Licensed Canadian commercial pilot with 200+ hours of flying time.

## Experience

### iOS/Web Developer & Co-Founder

*Touchdown · May 2015 – Present · Waterloo, ON*

- Developed an end-to-end solution for pilots to log their airtime and flight times seamlessly using mobile devices
- Created and extensively tested the algorithm to log airtime accurately using unit tests, flight simulator and in plane tests

### Software Engineer

*Foursquare · September 2018 – Present · Chicago, IL*

- Work heavily on redesigning the Pilgrim SDK to make use of more modern iOS features
- Continuously improving the quality of the codebase by removing tech debt, adding unit tests (increasing code coverage from 17% to 42%) and cultivating a culture of clean code
- Simplified a half day release checklist by using bash scripts to automate the CI/CD pipeline into a 1-click release process

### Full Stack Developer

*Borderline · October 2017 – August 2018 · Waterloo, ON*

- Developed an end-to-end solution (mobile application and RESTful API) to record sounds in urban environments helping investigate the role of sound in community formation
- Established the use of continuous integration to streamline releases for both the frontend and backend

### iOS Developer Intern

*Compass Real Estate · May 2017 – Aug 2017 · New York, NY*

- Designed and implemented a novel solution to download and inform users of nearby listings via geo-fenced notifications, without requiring additional user permissions
- Re-wrote all unit tests in the app eliminating 2 dependencies on the codebase
- Re-wrote the Compass Markets app, leveraging MVVM in Swift, increasing the testability of the app

## Projects

### QuantPath Pathology

- Leveraged artificial intelligence when developing a software solution to reduce errors when pathologists' make a diagnosis
- Implemented a cross platform desktop application (Electron.js), helped create a RESTful API and established continuous integration for the project