

# Nehal Kanetkar

*Pilot. Developer. Aspiring Engineer*

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## Skills

- Highly experienced front-end developer with 3 years production experience developing web and iOS apps
- Deep knowledge of Swift, reactive coding with Swift, Auto Layout and Interface Builder through the development of multiple 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, Bash, Python

Git, Charles, Sketch, Xcode, Photoshop, Travis-CI, 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 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

### **Full Stack Developer**

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

- Developed an end-to-end solution (mobile application and RESTful API) to note 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**

*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
- Rewrote all unit tests in the app eliminating 2 dependencies on the codebase
- Re-architected the Compass Markets app, leveraging MVVM in Swift, increasing testability of the app by 75%

### **Lead iOS Developer**

*Nanoleaf · Aug 2016 – Mar 2017 · Toronto, ON*

- Implemented an in app troubleshooting flow reducing the number of support calls by 20%
- Established the use of feature documents to clearly communicate needs between business, design and engineering teams
- Designed and developed features using Sketch, Objective-C and Swift

## 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