

## Professional Development Experience

### **WW, formerly Weight Watchers (New York, NY) July 2019–Present**

Contributing to Studio, a native iPad app for WW employees and contractors to manage the in-person customer experience at WW locations. The Studio app replaces half a dozen existing solutions across many markets, including several different hybrid apps and pen and paper.

- Built substantially all of Tally, which aggregates data from several sources to create per-meeting reports of factors affecting coach compensation. Tally uses child view controllers to encapsulate complex functionality and separate concerns. The header of the Tally report is designed to collapse when scrolled and uses four synchronized scrubbable property animators to smoothly scale and hide elements to achieve the desired look.
- Replaced unreliable button subclasses with a single styling function that applies the Studio trade dress with no subclasses. The styling function custom draws pixel-perfect backgrounds for buttons of any size. It is also accompanied by a suite of tests that verify pixel colors, allowing unit test coverage of details like border thickness and corner radius.
- Used a “lead by example” approach to increase the quantity and quality of documentation in the Studio app. I include documentation markup for every new type and member with an access level of internal or greater. I also include code samples in my doc blocks when appropriate. This has led to an increase in documentation markup submitted by my coworkers, and even a few cases of other developers including sample code.
- Introduced rigorous writing and testing of network calls. I write network calls with control flow handled by switch and defer statements, avoiding the “unhandled branch” bugs that are otherwise easy to introduce. I also added unit tests of error conditions in network code to ensure error handling specified by product managers is covered by tests and not left to change silently during the next refactor.

### **Citi FinTech (Long Island City, NY) on contract from LTI May 2018–July 2019**

Worked as an iOS (and sometimes microservices) developer on the Insights team of Citi FinTech. My roles included writing Swift for the Citibank iOS app, maintaining Java code for an Insights endpoint, reviewing pull requests for Insights and other teams, and mentoring new iOS developers on the team.

- Seconded to the Know Your Customer team to deliver a critical behind-schedule feature on a one-week timeframe.
- Pinch-hit as a Java microservices developer to help our backend team. Added features and unit tests and fixed bugs.
- Created a new abstraction for iOS network calls in the Insights features, making heavy use of generics, type inference, and method overloading. Improved test coverage and code reuse while eliminating hundreds of lines of confusing and duplicative code. My networking abstraction is now used by three other teams.
- Served as scrum master of the Insights team for three months, despite being one of the most junior members of the team; uniformly described as the best scrum master the team has had in recent memory.

## Other Development Experience

### **TimerSwipe (alank.github.io/timerswipe) Independent Developer January 2016–June 2018**

Designed and developed TimerSwipe, published in the App Store in January 2017: [appstore.com/timerswipe](https://appstore.com/timerswipe)

## Other Work Experience

### **American Thoracic Society (New York, NY) Coordinator April 2014–February 2017**

### **Global Advisors on Smokefree Policy (Summit, NJ) Program Manager 2011–2014 Consultant 2010–2011**

## Skills & Education

Swift, Cocoa Touch, UIKit, SwiftUI, Git, Jira, Rational Team Concert, interdisciplinary communication, and facilitation.

### **B.A., Drew University (Madison, NJ) May 2010**

Philosophy major, Economics minor. 3.8 GPA. Summa Cum Laude.