

Alan Kantz

iOS Developer

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I am a software developer specializing in iOS and Swift. You can view my development portfolio at alank.github.io or follow the links to specific projects below. I also have interest and expertise in team leadership and meeting facilitation.

Professional Development Experience

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

Working as an iOS (and now microservices) developer on the Insights and Predictive Models teams of Citi FinTech. The Insights team is responsible for features that help users track, forecast, and plan their spending. My roles include writing code for the Citibank iOS app, reviewing pull requests for Insights and other teams, and informally mentoring new iOS developers on the team.

- Cross-trained as a Java microservices developer to compensate for a shortage of backend developers. Fixed bugs, improved test coverage, and implemented business logic for a forthcoming dashboard tile endpoint.
- Performed a deep refactoring of the iOS network calls in the Insights features, making heavy use of generics, type inference, and method overloading. Improved test coverage and code reuse while making hundreds of lines of subtle and confusing code straightforward and easy to understand. Successfully pitched our networking abstraction to other teams working in the same codebase.
- 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.
- Collaborated with microservices developers on the team to develop, test, and launch the Remove Bill and Monthly Overview Options features.
- Worked on all parts of the Abnormal Spending, Monthly Overview, and Bills tiles (and associated screens) for the Citi FinTech-led relaunch of the Citibank iOS app.

Other Development Experience

TimerSwipe (alank.github.io/timerswipe) Independent Developer *January 2016–Present*

An iOS timer operated by swipes, appropriate for exercise and stretching when it is difficult to see the device screen.

- Designed and developed TimerSwipe, publishing in the App Store in January 2017: appstore.com/timerswipe
- Implemented full accessibility support via the UIAccessibility framework and VoiceOver in subsequent releases.

New York on Tech (New York, NY) Volunteer Instructor *February–April 2018*

Co-taught an after-school introductory Swift programming course to 10th- and 11th-grade students as a pilot program. Developed original apps for students to use in development exercises I from adapted the Apple Swift curriculum.

Untitled E-Commerce Project (alank.github.io/e-commerce-app.html) Consultant *January 2018–April 2018*

Provided technical guidance for an entrepreneur developing a multivendor marketplace e-commerce project. Researched existing multivendor marketplace products and services, and defined a Minimum Viable Product on which to focus efforts.

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, Java, Xcode, Cocoa Touch, UIKit, interdisciplinary communication, and meeting facilitation.

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

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