

Summary

I am a self-taught iOS developer specializing in utilities and productivity tools. You can view my development portfolio at alank.github.io or follow the links to specific projects below. My previous experience is in the nonprofit health sphere, where I have a successful track record of planning and completing long-term projects.

Development Experience

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

TimerSwipe is an iOS timer operated by swipe gestures. It fills a need for an exercise and stretching timer that can be used when it is difficult or impossible to see the device screen.

- Learned the Swift programming language and Xcode development environment.
- Published in the App Store in January, 2017: appstore.com/timerswipe
- Implemented full accessibility support via the `UIAccessibility` framework and VoiceOver in subsequent releases
- Implemented iOS 11-specific features, including drag and drop and iPhone X support, in subsequent releases

DogEar (alank.github.io/dogear) *January 2017–June 2017*

DogEar was an unpublished iOS utility app designed to ease access to frequently-needed documents. It was built around security-scoped bookmarks to files in other applications' iCloud Drive containers.

- Conceived and developed a Swift-based, iCloud-aware iOS app based on a `UIDocument` subclass.
- Thorough use of Swift idioms (optional chaining, protocols, extensions, etc.).

Work Experience

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

Main responsibilities included providing administrative support for conference content in development, liaising with IT, and issuing signage, audio/video, and build requests to our meeting services contractor. During the annual ATS conference, main responsibilities included staffing meetings and symposia and staffing the Science and Innovation Center.

- Conceived, planned, and executed an overhaul of the system by which the Education Committee judges and selects postgraduate courses to program at the annual International Conference. Replaced the existing process, which was error-prone and labor-intensive, with a new one based on modern technology that reduces the burden on staff, can be checked for accuracy, and aids participation by remote committee members.
- Created a one-hour training for select ATS staff on Google Drive, Docs, and Sheets, explaining how to use the products and their strengths and weaknesses. Created a decision aid for choosing between the Google office suite and Microsoft Office. Session attendees have subsequently adopted the Google office suite for selected ATS projects.

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

Advocated for smoke- and tobacco-free policies and provided guidance and information to New Jersey residents affected by secondhand smoke. Supported GASP administrative and technical work.

- Developed original branding for the GASP website and smoke-free parks initiative, including reusable visual elements, standard fonts and colors, and HTML and CSS templates.

Skills & Education

Swift, Xcode, interdisciplinary communication, and meeting facilitation.

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

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