Andrew Ash

andrew@emotiveapps.com
github: github.com/andrewash

mobile: (206) 327-8000

30 Savoy St
Providence, RI 02906

A passionate problem solver who seeks to mentor others and build apps that help people live a more meaningful life.

Professional Activities

Senior iOS Engineer	Apr 2022 – Dec 2022
Route.com	Lehi, UT (Remote)

- Led a full redesign of the app's Order History tab in SwiftUI with an MVVM-C architecture
- Ranked by my manager and peers in the top 20% of my team

iOS Developer	Nov 2020 – Mar 2022
Paceline.fit	San Francisco (Remote)

- Led iOS development of a greenfield credit card product that was built in only 8 months
- Paceline's app reached #1 on the Apple App Store for Health and Fitness, and #41 for all free apps in 2021
- Consistently delivered on hard asks: Built a polling service and a UIKit library for FinTech application forms, managed partner relationships, introduced MVVM to the codebase, and invited a declarative UITableView
- GitHub ranked #2 contributor to the iOS codebase, and provided 170 code reviews

Founder, iOS Developer	Jul 2014 – Nov 2020
Emotive Apps Inc.	Los Angeles, CA

- Launched three iPad and iPhone apps in the Apple App Store with 10,000+ downloads (see portfolio)
- Collaborated with UX designers, graphic designers, videographers, sound editors, and teachers to build each app

Hebrew in Harmony: EdTech games to teach the meaning of prayer through music

- In-App purchases with StoreKit, and validates receipts to detect cancelled subscriptions
- Wrote a video queue player using AVFoundation, a kid-friendly audio recorder, and 2 games
- Uses Core Data with multithreaded contexts to download up to 1GB of photos, audio, and video in the background without blocking main thread.

Flavors of Gratefulness: Mindfulness app

- Reminds people to practice with UserNotifications
- Audio visualizations written in Core Animation and Core Graphics

Program Manager II	Oct 2006 – Sep 2007
Microsoft Windows SharePoint Services 2010	Redmond, WA

- Led a feature area with six teams, 14 developers & testers for Office 2010's team collaboration features.

Program Manager, SharePoint Integration	Aug 2004 – Oct 2006
Microsoft Outlook 2007	Redmond, WA

- Led the design and implementation of Microsoft Outlook's sync with *SharePoint* web services. This enabled offline access to team calendars, discussions, and documents – a top customer request

Professional Activities

Director of Technology Projects	Sep 2003 – Jan 2004
Ministers' Recruiting Secretariat, Office of the Premier of Ontario	Toronto, ON

- Completed a .NET web app through which the new government's top 350 senior political staff were recruited.
- Projects delivered on time, with 99.7% uptime, and the endorsement of the Office of the Premier of Ontario

Education

Jewish Studies	
Hebrew College	Sept 2008 – Jun 2011

Honours B.A., University of Toronto	
Computer Science, Major	Graduated April 2004
Politics and English, Minors	

Awards

TripleByte **2020**
Scored in the top 20% of developers on their platform (80th – 100th percentile, Mobile iOS)

Patents

Patent # US7966426-B2, granted Jun 21, 2011 to Microsoft, Andrew Ash and co-inventors, for "Offline synchronization capability for client application."

Patent # US 20090192845A1, granted Jun 30, 2009

Languages

English	Fluent
Hebrew	Conversational, Advanced Intermediate
French	Beginner

Skills & Experience

Software Development	
Swift	7 years
JavaScript, ES6+, HTML, CSS	4 years
React, Meteor, Mongo	4 years
SQL	6 years
AWS	3 years
Objective-C	1 year
Ruby on Rails	1 year

Community Activities

RemoteShiva.org	**2020**
Built MVP to help mourn COVID-19 victims	
Shoresh, Jewish Environmental Ed., Toronto	**2013-15**
Teaching kids to grow veggies; Graphic design	
Kavod House, Food Justice Campaign	**2010**
Videography and editing a PSA in Final Cut Pro	
YTP (Youth Tutoring Program), Seattle	**2007-8**
Tutoring children of refugees; 3hrs/wk	
Hillel, University of Washington	**2006-7**
Sat twice on their Hiring Committee	
Students' Administrative Council, UofT	**2002-3**
Won discount student transit, 1st in 20 yrs	

Interests

Gardening, Cooking, Hiking, Photography, Canoeing, and Winter Camping