

David Stites

165 Campoli Drive
Morgan Hill, California 95037

309/825.0155

me@davidstites.com
www.davidstites.com

Experience

Apple, Software Engineer, 2020 — Present

Core Data/SwiftData is a framework that developers use to manage the model layer objects in their application. It provides generalized and automated solutions to common tasks associated with object life cycle and object graph management, including persistence and sync with CloudKit.

Apple, Software Engineer, 2014 — 2020

Designed, performed analysis, and implemented location-based and motion-based features, technologies and systems on iOS, watchOS, tvOS and macOS, with an emphasis on machine learning.

Apple, Privacy Engineer, 2012 — 2014

Designed, performed analysis, and audited shipping and pre-release features and systems. Partnered with development teams to protect customer privacy while delivering amazing experiences for customers. Advocated and educated Apple teams about privacy-related technology issues, and then helped them implement best practices.

EW Defense Systems, Software Engineer, 2010 — 2012

Designed, developed, tested and maintained DSP firmware code for RF signal detection, collection and analysis of electronic counter measures (ECM) for the Air Force. Implemented Java front-end interfaces for operator control of system.

Coupious, Software Engineer, 2009 — 2012

Developed the *Coupious* application for iOS, an app that gives the user on-demand, location-based, instantly redeemable coupons.

Hewlett-Packard, Firmware Engineer, 2007 — 2009

Developed support for RAID6 and solid state drives within firmware for enterprise class storage arrays. Triaged and fixed defects. Created and developed tools to assist with testing.

Education

Bachelors, Computer Science, Purdue University, 2007

Masters, Computer Science, University of Colorado, 2012

Skills & Languages

Objective-C (Cocoa & Cocoa Touch), Swift, C, Python, bash scripting, SQL, Git

Publications & Media

2023 — WWDC Speaker, "What's New in Core Data"

2022 — WWDC Speaker, "Evolve your Core Data Scheme"

2021 — WWDC Speaker, "Showcase App Data in Spotlight"

2014 — WWDC Speaker, "User Privacy on iOS and OS X"

2013 — WWDC Speaker, "Protecting Your Users Privacy"

2012 — "Preventing User and Hardware Tracking in Mobile Devices"

2011 — NBC & ABC Southwest Airlines Mobile App Security Vulnerability

Patents

10,200,810 — Proactive actions on mobile device using uniquely-identifiable and unlabeled locations

10,117,046 — Discrete location classification

10,091,303 — Using in-home location awareness

9,529,500 — Application recommendation based on detected triggering events

9,600,689 — Variable anonymous identifier value