

NILS HAYAT

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Senior Staff Software Engineer passionate about human-computer interaction with 15 years of experience

EXPERIENCE

- Apple**
Los Angeles
2023 – Today
Software Engineer – visionOS SurfBoard
Selected Work: Architected and led visionOS Widgets and Hand UI interaction, contributed to eye calibration UI and led a cross functional effort to bring feature parity between iOS and visionOS.
- Apple**
Los Angeles
2022 – 2023
Software Engineer – visionOS Music App
Selected Work: Led implementation of Scene Management, Co-led a xfunc effort to improve the SharePlay experience for Music and other media apps.
- Apple**
Los Angeles
2021 – 2022
Design Engineer – Software Incubation
Selected Work: creation of a prototyping platform for futuristic devices based on the iOS platform and oversaw prototyping of several new interaction modalities
- Apple**
Cupertino
2015 – 2021
Software Engineer – SpringBoard
Key Achievements: Led iOS lock screen re-architecture to allow for a modular, page based lockscreen that was the basis for iOS 16 personalization. Led the creation of WidgetKit and home screen widgets and their SwiftUI based rendering system. Prototyped, implemented and refined iPhone X swipe-to-unlock and Face ID interactions. Gave a WWDC talk on SwiftUI and Widgets.
Selected Work: Live activities, Widget editing UI, Volume HUD, Lock screen camera, Live wallpapers, iPhone app switcher, wake-to-apps API (Maps, Voice Memos, Notes).
- Apple**
Cupertino
2014 – 2015
Software Engineer – NetApps
Selected Work: Led brainstorming and creative process for the creation of the Home app. Responsive UI for Weather, Stocks and Settings for new iPhone sizes. Stocks app for iPad. Siri UI plugins for tvOS.
- Casserole Labs**
New York
2012 – 2013
Lead iOS Engineer
Created iOS Apps with rich, engaging UIs connecting to custom and 3rd party APIs. Objective-C, Cocoa, UIKit, Foundation, Core Libraries, etc.

EDUCATION

- 2008 – 2009**
New York
Master's Degree in Applied Mathematics
Columbia University in the city of New York
- 2005 – 2008**
Paris
BS and MS in Computer Science Engineering
Télécom ParisTech (Best CS program in France)

SKILLS

- LANGUAGES** **French:** native **English:** fluent **Spanish:** moderate **Hebrew:** moderate
- SOFTWARE** **Objective-C / Swift / iOS :** ★★★★★ **C:** ★★★★★
- INTERESTS** Yoga & Mindfulness, Surfing, Cooking