Nick Thompson

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Available: January – June 2019

http://nickthompson.guru/
GitHub: inickt

Education

Northeastern University, Boston, MA   September 2016 – May 2021
College of Computer and Information Science
Bachelor of Science degree in Computer Science and Mathematics

Related Courses:	Computer Systems	Networks	Algorithms and Data	Object Oriented Design	Database Design
Honors:	GPA 3.6 / 4.0	Honors Program	Dean's List
Activities:	Club Roller Hockey (Treasurer)

Computer Knowledge

Languages:	Swift	Objective-C	Java	C	Racket / Scheme	Kotlin	Lisp	HTML	CSS	MIPS ASM
Tools:	iOS SDK	Firebase	Optimizely	Fabric / Crashlytics	Fastlane	CocoaPods	Android SDK	JUnit

Work Experience

ASICS DIgital / Runkeeper, Boston, MA   January – July 2018
Mobile Engineer Co-Op
- As a member of a seven-person team, added features and fixed reported bugs in iOS, watchOS, and Android versions of the Runkeeper mobile application using Swift, Objective-C, and Java.
- Refactored existing training plan screens and developed a new UI for a better user experience on iPhone. Migrated untested, legacy, Objective-C code to Swift using MVP design and unit testing.
- Updated the login and signup flows to comply with GDPR for the iPhone app. Created new email opt-in screens to give existing users the option to sign up for important emails, complete with full unit testing.
- Implemented a new A/B testing workflow for experimental features in the iOS app using Optimizely. Added an experiment giving new users a free trial of Runkeeper Go, leading to better conversion rates and full integration on iOS and Android.
- Developed patches for application crashes, timing optimizations, unified font, color, interface, and animation changes.
- Created an iPhone app using ARKit to view runs on a 3D map in the real world, winning People's Choice for our hackathon.

Green Tomato Grill   August 2018 – Present
Mobile Application Developer
- As a freelance developer, designed, developed, tested, and deployed mobile applications for iOS and Android to facilitate ordering, catering, location information, and menu options for Green Tomato Grill restaurants.
- Built intuitive restaurant location map with Swift and MapKit on iOS, and Kotlin and Google Maps SDK on Android.
- Implemented analytics and crash reporting features using Google Firebase and Crashlytics to track conversions and metrics.

Northeastern University, Boston, MA   Spring 2017 – Present
Fundamentals of Computer Science Tutor
- Tutored students individually, facilitated lab environments, and graded homework assignments.
- Taught functional programming, data types, the "design recipe," recursion, and abstraction in Racket teaching languages.

Personal Projects

- **LazyMan for iOS:** Developed iOS and macOS apps to directly play any live or archived NHL or MLB game. Pulls from NHL and MLB public APIs for storing game data, and is programmed in Swift.
- **Pipit for macOS:** Created a macOS app to bring native Picture in Picture to Chrome and Firefox for most web videos. Uses private API headers to open videos in a floating window, similar to Safari. Developed using Swift and JavaScript.
- **Personal Homelab:** Configured a Dell PowerEdge R710 server using ESXi, pfSense, FreeNAS, Ubuntu, and Docker for firewall/routing, storage, development, continuous integration, and game servers for family, friends, and personal use.

Activities & Interests

H-F Operation Snowball / Cebrin Goodman Teen Institute   2014 – Present
- Directed, coordinated, and led numerous multi-day anti-drug and alcohol leadership programs for teens in Illinois.

Cooking | Tacos | Running | Hockey | Golf | Virtualization | Open Source Software | Hackintosh | Networking