

# MICHAEL VAN MILLIGAN

home San Francisco, CA

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## Education

Arizona State University — M.S.  
Computer Science 2006 — *"An Energy Efficient Topology Transparent Medium Access Control Protocol"*

Arizona State University — B.S.  
Computer Science 2004

## Proficiencies

Digital: C, Obj-C, C++, Swift, SwiftUI, UIKit, Java, JS, React Native, SQL, Rails, Go, AWS

Analogue: Communication Protocols, Embedded Systems, OS Architecture, Applied Cryptography, UI/UX Architecture, Complexity Theory,

## Patents

### Opportunistic Multitasking of VoIP Applications

Patent US 9104476B2  
Issued August 11, 2015

### Opportunistic Multitasking

Patent US20110249668A1  
Issued August 26, 2010

### Method And Apparatus For Idling A Network Connection

Patent US8706855B2  
Issued August 16, 2010

### Efficient Service Discovery for Peer-To-Peer Networking Devices

Patent US8285860B2  
Issued January 14, 2010

### Service Discovery Functionality Utilizing Personal Area Network Protocols

Patent US20100233960A1  
Issued March 16, 2009

## Profile

Software engineer in search of captivating problem landscapes within the context of providing tangible value to society.

## Experience

### Apple, Inc

Connectivity Software Architect, Vision Product Group  
iOS Engineer, Health

Cupertino, CA – July 2019 - Present

Member of Health Special Projects Group. Contributor to Apple's COVID-19 Application. Contributing architecturally to current and future Vision Product software connectivity technologies.

Core OS Embedded I/O Architecture Software Engineer

Core OS Networking Software Engineer

Core OS DTS Software Engineer

Cupertino, CA – May 2006 - Oct 2012

Original member of the iOS SDK launch team. Principal architect and maintainer for a multitude of iOS and macOS networking stack tentpole features and technologies.

### Trustwork

Senior Software Engineer Technical Lead

Austin, TX – Nov 2018 - July 2019

Responsible for miscellaneous products as a full-stack technical lead.

### BazaarVoice

Senior Mobile Engineer

Austin, TX – Nov 2017 - Nov 2018

Principal architect of Swift SDK and ongoing support of the Objective-C SDK.

### eecosphere

CTO

Austin, TX – Mar 2015 - Sept 2017

Responsible for engineering organizational management. Helped to codify core sustainability research into technological roadmap. Principal architect of iOS product and client API.

### thirteen23

Senior Mobile Engineer

Austin, TX – Feb 2014 - Mar 2015

Responsible for helping guide design, implement the intention, and manage the release of client iOS applications and libraries.

### Twilio

Senior Mobile Engineer

San Francisco, CA – Nov 2012 - Feb 2014

Refactored, maintained, and supported iOS SDK. Redesigned backend client authentication subsystem.