

MICHAEL VAN MILLIGAN

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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

Analog: 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

iOS Engineer, Health

Cupertino, CA – July 2019 - Present

Member of Health Special Projects Group. Contributor to Apple's COVID-19 Application.

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.

Referrals

Available upon request.