Saagar Jha

@saagarjha

(408)707-8023

10038 Dove Oak Court, Cupertino CA 95014

saagar@saagarjha.com

Skills

Languages
Fluent in Swift, Java
Proficient in Objective-C, C, C++, Bash, Lua, MIPS Assembly, Python, JavaScript

Tools and Practices
Experienced with Xcode, Cocoa Touch, the command line, Unix/Linux, Git, disassembly, code review, Eclipse IDE
Familiar with Cocoa, continuous integration, automated testing, LLVM (Clang, LLDB, sanitizers, etc.), instrumentation, localization, UI/UX design, Hadoop, the network stack

Education

University of California, Santa Barbara
Bachelor of Science Computing, College of Creative Studies
Regents Scholar, College of Engineering and College of Creative Studies Honors

Santa Barbara, CA
Expected Graduation: June 2020

Personal Projects

break (Swift)
App Store, GitHub

Third-party application for accessing grades, assignments, and other school-related materials from School Loop using a reverse-engineered HTTP REST/WebDAV interface. Features significant use of iOS technologies, including 3D Touch, Touch ID, WatchConnectivity, Grand Central Dispatch, and custom UIKit controls.

Vulcanize (Swift, Objective-C)
App Store

iMessage application for typesetting and sending formulas generated from the LaTeX markup language.

Pool (Swift)
DevPost

Ride sharing carpool app based on iOS mapping technologies. Written for the hackathon CUHacks and won second place.

SmartHome (C, Swift)
Ongoing

Bluetooth Smart-based home automation system consisting of off-the-shelf Bluetooth-enabled microcontrollers, infrared sensors, and iOS application in a mesh network setup. In preliminary tests reduced ambient household energy consumption by an order of magnitude.

Experience

HomeKit QA Intern, Apple
Jun 2018-

iOS Contractor, Danal
Aug 2017-Sep 2017

Created a low-level networking library and helped integrate it into our clients' apps.

Intern, Unravel
Jun 2016-Aug 2016

Wrote a MapReduce tool to locate and extract log files from the Hadoop Distributed File System for further analysis.

Selected Awards

WWDC Scholarship Recipient, 2017
USA Computing Olympiad Gold Division, 2016
American Invitational Mathematics Examination Qualifier, 2014-2016 (Top 2.5% in US)
USA Physics Olympiad Silver Medal, 2017 (Top 100 in US); Honorable Mention, 2016 (Top 250 in US)
Physics Bowl Division 2 Regional Top Scorer, 2016 (Top scorer in northern California)