

Immanuel Amirtharaj

10480 Madera Dr. Cupertino, CA 95014

Phone Number: (408)-887-4946,

Email Address: iamirtharaj@scu.edu

Personal Website: iamirtharaj.me

Github Profile: [manny1995](https://github.com/manny1995)

SUMMARY OF QUALIFICATIONS

- **Languages:** C, C++, Objective C, Java, Swift, Python, PHP, SQL
- **Relevant Coursework:** Data Structures, Algorithms, Database Systems, Networks, Digital IC
- **Frameworks:** Cocoa Touch, MapKit, Core Animation, AV Foundation
- **Applications:** Xcode, Git, SVN

EDUCATION

Bachelor of Science in Computer Science and Engineering at Santa Clara University,
Santa Clara, CA

- **Expected Graduation:** 2017

WORK EXPERIENCE

FileMaker, an Apple Subsidiary - Santa Clara, CA, June 2016 - September 2016

- Implemented the UI and iOS specific client side logic for a new feature in FileMaker Go's next release.
- Collaborated with both QA and design teams for implementation and testing.
- Fixed bugs related to both the feature I was working on as well as other existing features.
- Gained experience in UIKit, iOS application states, localization, and accessibility.

WeatherSphere - Mountain View, CA, April 2015 - September 2015

- Worked on redesigning and reimplementing the existing Fishing Spots application in order to be compatible with iOS 8.
- Used internal APIs to fetch data from servers onto various newsfeeds and a profile page.
- Gained valuable knowledge on important background processes such as Grand Central Dispatch and caching.

NOTABLE ACHIEVEMENTS

2nd Place: Santa Clara University Broncohack Hackathon, Santa Clara, CA

- Worked with a team of 2 other people to build SeetiTel, an iOS app which serves as an anonymous and secure forum for whistleblowers to share illegal activity.
- Implemented an iOS front end and used a REST API for data retrieval.
- Gained experience in data retrieval techniques of data caching and lazy loading

3rd Place: Hack for the Homeless Hackathon, Santa Clara, CA

- Worked with a team of 3 other people to build Modality, an iOS app which uses user-inputted symptoms to diagnose their illnesses.

PROJECTS

Huffman Algorithm

- Implemented a bottom-up Huffman tree which sorted characters based on most occurring instances in a text file
- Gained valuable experience in data structures, sorting, and lossless data compression.

Project Refuge

- At the Hack for the Homeless Hackathon hosted by Santa Clara University, I created Refuge, an iOS app where homeless people could find nearby homeless shelters to spend the night.
- Gained valuable knowledge on MapKit, Core Location, and AV Foundation frameworks.

PROFESSIONAL MEMBERSHIPS

Student Member, Association for Computer Machinery, Jan. 2014 - Present