

JACOB LUIS SANCHEZ

github.com/jsanchez78 ◇ [Linkedin](#) ◇ sanchezjacob244@gmail.com ◇ (+1)7737097128

EDUCATION

University of Illinois at Chicago

B.S. in Computer Science

College of Engineering

Expected Graduation: *December 2020*

Relevant Coursework: Algorithms & Data Structures, Systems Programming, Software Design, Principles of Concurrent Programming, and Mobile Application Development.

TECHNICAL STRENGTHS

Programming Languages

Java, Scala, Swift, SQL, Javascript, C/C++ and Unix

Software & Tools

GraphQL, Android NDK, .NET Framework, and Amazon Web Services

PROJECTS

Github API v4 Framework

Github: [v4Framework](#)

- Developed a scalable client which extracts and organizes git repositories data from Github.
- The framework executes GraphQL commands from a scala client in order to extract and organize git repository data, in relation to the Github developer schema.

MagicPaper

Github: [MagicPaper](#)

- Developed an interactive iOS app that tracks images on newspapers to render videos related to the topic.
- ARKit is used to track the 3D object while SpriteKit is used to display the 2D video on said object.

Concurrent Warehouse Management Utility

Github: [LockFreeQueue](#)

- Implemented a warehouse management system which maximized parallelism. The warehouse implements a wait-free unbounded queue.
- The Java program was built, tested, and deployed with Travis Continuous Integration platform.

Divvy Ride Analysis

Github: [DivvyBikesData](#)

- This F# program extracts data from Chicago open data portal on the blue Divvy bikes and runs analysis on the parsed data.
- Built using .NET core development, this program efficiently computes information such as the most popular bike station and average trip duration per bike.

WORK EXPERIENCE

Apple, Chicago IL

Dec 2018-present

Technical Specialist

- Implement knowledge of current Apple technology to help with iPhone, iPad, and Apple Watch devices.
- Educating customers about the iOS ecosystem while troubleshooting their issues related to iOS software glitches.

Harold Washington College, Chicago IL

Oct 2017 - Dec 2018

Physics Teaching Assistant

- Facilitated classroom operations by setting up labs and mentoring students physics electricity and magnetism.
- Tutored individual and groups of students (usually groups of 5) in subjects varying from the physics of wave mechanics to differential equations.