

Nikhil Kulkarni

nkulkarni41@gatech.edu • github.com/Nikhil-Kulkarni • 4048600194 • <https://www.linkedin.com/in/nikhilkulk1>

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

Graduation May 2017

BS Computer Science | Honors Program

Oracle Certified Associate Java SE 7 Programmer

EXPERIENCE

Georgia Institute of Technology

Atlanta, GA

Undergraduate Research Assistant

August 2015 – Present

- Worked in Contextual Computing Group to create a system of testing an app that recognizes a user's hand/wrist motions (Ex. Swiping credit card, brushing teeth)
- Developed Apple Watch app in Swift and Pebble app in C to records user's hand motions for an 8-hour period and ran analysis to determine if a gesture has erroneously been recognized and triggered
- Used inertial sensors, HealthKit, and Google Fit API on Apple Watch, Android Wear, and iOS platforms to detect gestures and current activity (Ex. running, walking)

Gozio Health Inc. (<https://appsto.re/us/5Oqh-.i>)

Atlanta, GA

Software Engineer Intern

March 2015 – August 2015

- Reduced time required to provision BLE beacons by 75% by creating iOS app which extracts data from REST API and writes the data to the beacons via CoreBluetooth framework
- Improved beacon installation efficiency by 30% by creating iOS app to record current beacon voltage, mac address, and location inside building
- Implemented indoor navigation and outdoor navigation features, using Google Maps SDK and custom indoor routes, in main iOS application for Children's Hospital of Atlanta
- Combined BLE packet retrieval and CoreLocation geofencing to notify user when entering hospital property and when entering parking garage to open "Children's" app

SKILLS

Languages – Java | Swift | Objective-C | HTML | CSS | Python | C | SQL | PHP

Technologies – iOS, Android | Cocoa Touch | Flask | MySQL

Tools – Xcode, IntelliJ, Android Studio, PhpStorm | Heroku, AWS | Git

PROJECTS

FancyHotel

December 2015 - Present

- Worked in a team of 4 to develop FancyHotel, an online hotel reservation system using Materialize CSS, MySQL, and PHP
- Created MySQL queries for making, updating, and cancelling reservations as well as viewing revenue and reservation reports for admins
- Built front-end for making, updating, and cancelling reservation as well as login using Materialize CSS

Paylytics (<http://bit.ly/1KWQIdy>)

September 2015 - Present

- Worked in a team of 4 to develop Paylytics, an iOS app performing advanced analytics and optical character recognition using Tesseract-OCR library for iOS on paper receipts to analyze, optimize, and visualize the user's spending behavior
- Implemented computer vision to scan receipts into custom database via REST API and created iOS front-end including budgeting graphs
- Created OneDrive syncing system to automatically upload pictures of receipts to the user's OneDrive account

ISS Live Tracker (<https://appsto.re/us/5kNG7.i>)

June 2015 - Present

- Created an iOS/Apple Watch app used to trace the current position of the ISS and predict future sightings based off current location of user
- Gathers current ISS geo-position from REST API. 1.6k+ downloads

Paper (<http://SimplyPaper.github.io>)

January 2015 – February 2015

- Worked in team of 5 to create a Web and iOS app used to render websites from hand-drawn sketches
- Wrote Python scripts to generate HTML/CSS code based on OpenCV rectangle recognition
- Designed and created iOS app which sends picture of hand-drawn sketch to AWS server and retrieves website URL

iEatOut (<http://iEatOut.github.io>) - Best use of IBM Bluemix runner-up

November 2014-December 2014

- Web app optimized for mobile platform using Framework7, Bluemix, and Firebase
- Allows users with allergies to find suitable restaurants using Order.in and Yummly REST API's
- Develop server using Flask to store menu item information and deployed via Heroku

ACTIVITIES

Activities: Hackathons, Big Data Club, GIT MAD, ISEF, India Club

Scholarships: Project Management Institute Scholarship, Zell Miller Scholarship