

Nikhil Kulkarni

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

Graduation May 2017

BS Computer Science | Honors Program

Oracle Certified Associate Java SE 7 Programmer

Relevant Coursework: Introduction to Data Science, Artificial Intelligence, Database Systems

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 upload to custom REST API created via MongooseJS
- 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 custom REST API and writes the data to the beacons via CoreBluetooth framework
- Improved beacon provisioning system by creating REST API via MongooseJS to allow provisioning devices to download and update beacon data
- 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 | HTML | CSS | Python | C | SQL | PHP

Technologies – iOS, Android | MapReduce | MySQL | Mongo

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

PROJECTS

GoPool (<http://bit.ly/1OHbj9h>)

January 2016

- Created a scalable carpool ride-sharing web app which enables college students to driver others to a similar destination, facilitating the carpooling and ridesharing process
- Employed MySQL and PHP to create REST API used on iOS app and Google Maps/Places/Geolocation APIs to facilitate destination selection on web side
- Created iOS app, using custom REST API, with Google Maps/Places SDK for iOS

FancyHotel

November 2015

- 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

- 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 custom 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

- 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 custom REST API created via Flask. 4k+ downloads

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

November 2014

- Web app optimized for mobile platform using Framework7, Bluemix, and Firebase
- Allows users with allergies to find suitable restaurants using Ordr.in and Yummly REST API's
- Developed REST API 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