

Deep Patel

Android Development, iOS Development, Software Developer
Greater New York Area

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Education

NJIT – Ying Wu College of Computing

2013 – Present

- Bachelor of Science in Computer Sciences (Expected Graduation: Summer 2018)

Professional Experience

Software Developer & Research Assistant, NJIT Human Computer Interactions lab, Newark, NJ

October 2015 – Present

- Aided Graduate and PHD students with conducting research for papers, most of which involved building apps
 - Study topics included Social Coordination, Group Recommendation Systems, Dating Systems, and Social Matching
 - Built the app Coo-e coordinator – messaging app that helps groups of people make plans and decide on a time and place to do an activity.
 - Built the Android version of the app
 - Backend stack – NodeJS on RethinkDB hosted on EC2 using Docker and PM2
 - TellUsWho study
 - Built an Android notification system used to take get users back into an application.
- UI and UX design
 - Redesigned older version of the Android app to adhere to Material Design guidelines

Android Developer, Swerv Technologies LLC, New Brunswick, NJ

April 2016 – June 2016

- Built and designed a social networking application similar to Periscope for video streaming with friends called VÜ
 - Designed and architected data models, backend stack (Mostly NodeJS)
 - Built the Android UI
- Used Agile development method to develop projects with sprints for project management

Social Media Specialist, Spencer Gifts, Egg Harbor Township, NJ

May 2015 – August 2015

- Managed social media accounts with several millions of followers
 - Provided customer support with inquiries about products, comments about the brand.
 - Continued online presence of the business on all social media accounts to retain followers and influence

Projects & Apps

Hello-API tutorial (<https://deeperthanyou.github.io/hello-api/>)

April 2017

- Tutorial for how to build a simple REST API using NodeJS
 - Core frameworks include Sequelize, Passport, Redis, ExpressJS

Raydeo (Radio Station Finder) (Android app)

July 2016

- Retrieves a list of 16,842 radio stations from the server and displays them on a gorgeous and simple UI with filter options
 - Users can find radio stations based on the state and add them to a favorite list
 - Connects with Parse to retrieve and store data
 - Migrating to NodeJS hosted on an AWS EC2

Wumpus World (Android app) (<https://github.com/deeperthanyou/Wumpus-World-Android>)

May 2016

- Class project for Intro to Artificial Intelligence
 - Implemented a search algorithm commonly used in bots in many popular video games

Programming language

February 2015

- Built a programming language that evaluates BNF grammars in C++
 - Included a Lexical analyzer, Parser, Semantical analyzer, and a Recursive Descent Parser

MATLAB Code

November 2013

- Built a program that translated to Morse code
 - Code took any sentence in English as an input and then converted the input to Morse code

Programming Languages & Skills

Android Development

- Worked with following technologies - Activities, Fragments, BroadcastReceiver, Services, LocationManager, Dialogs, AsyncTask, RecyclerView Adapter, SharedPreferences, LruCache, GCM & Push
- Libraries & Frameworks include Robospice, Retrofit, Spring Framework, Parse, Smack (XMPP library), Realm, Android Design Support, OKHTTP, Apache-Commons, Facebook SDK, Google Login, Google Maps API, Glide

NodeJS

- Docker containers, PM2, Promises, Sequelize, ExpressJS, Redis, Mocha (For unit testing)

AWS

- Elastic Compute Cloud, Route 53, RDS

Languages

- Java (5 years), Javascript (5 years), C++ (2 year), HTML and CSS (2 year), MYSQL (2 year)
- Comfortable with developing using the following:
 - Bash & Git
 - Intellij IDE's like Android Studio (Java) and Webstorm (JS development)
 - Swift – still learning
 - NodeJS – Express, Sequelize, Passport, Redis
 - Most database technologies – MYSQL, POSTGRESQL, MongoDB, RethinkDB

Learning

- React native
- iOS – Swift development
- Espresso for Android Unit testing
- AWS Lambda for server less computing