

KANISHK THAREJA

thareja2@illinois.edu | 217.979.2224

EDUCATION

UNIVERSITY OF ILLINOIS

MS IN COMPUTER SCIENCE

Dec 2017 | Urbana-Champaign

GPA: 3.93

Deans List and James Scholar

UNIVERSITY OF ILLINOIS

BS IN COMPUTER SCIENCE

Dec 2016 | Urbana-Champaign

GPA: 3.80

Deans List and James Scholar

SKILLS

Java • Python • C++ • Android
iOS • JavaScript • C • CSS
Flask • Angular JS • Node+Express
MySQL • MongoDB • OCaml

COURSEWORK

Programming Studio
(Head Teaching Asst)
Database Systems
Text and Information Analytics
Distributed Systems
Communication Networks
Art and Science of Web Development
Mobile Sensing Applications
Social Sensing
Computer Vision
Data Visualization
Computer Security
Algorithms
Data Structures
(Teaching Asst)
Operating Systems

LINKS

Github:// [kanishkt](#)
LinkedIn:// [kanishkt](#)

EXPERIENCE

YELP | SOFTWARE ENGINEERING INTERN

May 2017 – Aug 2017 | San Francisco, CA

- Worked on Core Backend (**Python**) with the **Growth Notifications** team. Primarily created a Personalized Push Campaign that received a CTR of **5%** and helped in re-engaging users with high value restaurant discovery pushes.
- Wrote scripts to find food **category affinity scores** for each user and personalize each push with a user's predictive location based on their Yelp Search history.

YAHOO | SOFTWARE ENGINEERING INTERN

May 2016 – Aug 2016 | Sunnyvale, CA

- Worked full stack within the **Flurry** SDK team. Primarily responsible to re-design the **cache and memory management** of the SDK that led to almost **2x** better results.
- Added various features to the iOS SDK (**Objective-C**) and contributed to production code that was shipped immediately.

JOHN DEERE | SOFTWARE ENGINEERING INTERN

May 2015 – Aug 2015 | Champaign, IL

- Created a comprehensive backend system using **Parse** API and the networking layer in the **iOS Application** for a prominent John Deere application. Role included writing complete Cloud Code (**JavaScript**) to enable query based endpoints, push notifications and background jobs.
- Individually created 4 **Android** applications used for testing purposes in prominent projects.

IBM | SOFTWARE ENGINEERING INTERN

May 2014 – Aug 2014 | New Delhi, India

- Interned in the Mobile Department to create hybrid mobile applications using **Cordova** API and frontend platforms.
- Individually created an application whose purpose was to calculate the step-by-step effort associated with every project received at IBM and allocated work to the employee accordingly. Over **10 IBM offices** in India are currently using this application

PROJECTS

GESTURE RECOGNITION Dec 2016 | Champaign, IL

Created a smartwatch gestured based music control application that performed actions based on simple gestures as Snaps, Flicks and twist. Used ML techniques and clustering to improve efficiency of the algorithm. Made using **Android SDK** and **Python**

SAFETY PIN April 2016 | Champaign, IL

Developed a website to showcase crime prone areas in Urbana sorted by different crime categories and included the feature of heat maps to depict safety in and around Urbana, using criminal records spanning over 10 years. Development stack included **Flask** and **MySQL** database

ANTHEM Jan 2016 | Champaign, IL

Created a web application in 36 hours at a Hackathon that allows different computers and mobile devices to turn into a loudspeaker by synchronizing Youtube videos and playing them seamlessly across all platforms. Development stack included **Angular** and **Node JS**