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EDUCATION

University of Illinois

Urbana-Champaign, IL

Bachelor of Science, Computer Science

May 2017

GPA: - **3.75/4.00** (Dean's List and James Scholar)

CS Coursework: - Data Structures, Algorithms, Computer Architecture, Systems Programming, Web Programming, Databases, Programming Studio, Discrete Math, Communication Systems, Data Visualization and Mobile Sensing.

EXPERIENCE

Yahoo, Software Engineering Intern, Sunnyvale-CA

May 2016 - Aug 2016

- 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** and contributed to production code that was shipped immediately.

John Deere, Software Engineering Intern, Champaign-IL

May 2015 - Aug 2015

- 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, Application Developer, India

May 2014 - Aug 2014

- 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 (Android SDK, Python)

- 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.

Safety Pin (HTML, Flask, SQL)

- 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.

Anthem (HTML, CSS, JavaScript)

- 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.

ACHIEVEMENTS

Head Moderator for Programming Studio, UIUC

Fall 2015 - Present

- Individually mentored students on good programming practices and took office hours for 200+ student class.

Undergraduate Teaching Assistant for Data Structures, UIUC

Fall 2014 - Fall 2015

- Conducted office hours and organized labs for 700+ student class about Data Structures in C++

Oracle Certified Professional, Java SE 6 Programmer

May 2012 - Present

PROGRAMMING LANGUAGES AND SKILLS

Programming Languages: Java (5 Years), C, C++, Python

Web Development (Full Stack): HTML, CSS, JavaScript (jQuery, Angular JS), Flask, Node+Express, SQL, MongoDB.

Mobile Development: Android SDK, Objective-C