

# Yasha Mostofi

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[www.yashamostofi.com](http://www.yashamostofi.com) | [www.github.com/redsn0w422](https://www.github.com/redsn0w422) | [www.linkedin.com/in/ymostofi](https://www.linkedin.com/in/ymostofi)

## EDUCATION

### University of Illinois, Urbana-Champaign, B.S. in Computer Science

Sept. 2015 - May 2018

- Coursework: Theory 2, Applied Machine Learning, Algorithms & Models of Computation, Programming Languages & Compilers, System Programming, Data Structures, Computer Architecture, Discrete Structures, Foundations of Data Science, & Probability in CS

*James Scholar  
Dean's List (sp16, fa16)  
3.91 mGPA, 3.81 GPA*

## SKILLS

- Fluent: C/C++, Java, Node.JS, JavaScript, Python, HTML/CSS, PHP
- Beginner: Objective-C, Swift, Arduino C, and R

## EXPERIENCE

### System Programming | Course Assistant

Jan. 2017 - present

### CS Dept. at UIUC | Research Assistant with Professor S. Misailovic

Jan. 2017 - present

### Capital One | Software Engineering Intern

Aug. 2016 - May 2017

- Built web app using ReactJS for partners to configure credit decision engine
- Designed portable system and build tool chain so that app could be deployed anywhere

### Intel | Software Engineering Intern

May - Aug. 2016

- Expanded on web portal used for internal data visualization
- Used Linux Perf to collect machine performance data

### State Farm | Systems Intern

Jan. - May 2016

- Used Numpy, Scikit-learn, and Pandas in Python for data processing with mobile data

### CS Dept. at UIUC | Research Assistant with Professor M. Winslett (paper 1, fa15)

Sept. 2015 - present

- Built tools for efficiency analysis to optimize development on high performance computing platforms
- Used PHP and MySQL for back-end; ReactJS, JQuery, and HighCharts.js in the front-end

## PUBLICATIONS

- [1] Luu, H., Aleyasen, A., Winslett, M., **Mostofi, Y.**, Peng, K. Toward Universal Analysis and Visualization of HPC Application Input/Output Behavior. 2015. (<http://yashamostofi.com/paper1.pdf>)  
SC15: 6th International Workshop on Performance Modeling, Benchmarking and Simulation of High Performance Computer Systems

## PROJECTS

### 3DSnap | [www.github.com/redsn0w422/3DSnap/](https://www.github.com/redsn0w422/3DSnap/)

- Snapchat for the 3DS. Runs on 3DS home-brew and required a Snapchat-backend clone due to Snapchat's API restrictions.

### InternetKarma | [www.github.com/xasos/InternetKarma/](https://www.github.com/xasos/InternetKarma/)

- App that calculates Internet "Karma" by aggregating likes across Reddit, Facebook, Twitter, Github, and Instagram; built using Node.JS

### ScandIn | [www.github.com/xasos/ScandIn](https://www.github.com/xasos/ScandIn)

- App that allows Glass users to retrieve LinkedIn information using facial recognition. Built using Node.JS, Java, Imgur API, and Kairos API.
- Won Best Glass Hack at MHacks Winter 2015. ([www.challengepost.com/software/scandin](http://www.challengepost.com/software/scandin))

### House STEM Student App Challenge - Winner (<http://foster.house.gov/media-center/in-the-news/academic-spotlight-naperville-north-senior-wins-app-contest>)

- Developed a web app to keep data on the all robots and scouting system for FRC robotics team