

# Yasha Mostofi

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[www.yashamostofi.com](http://www.yashamostofi.com) | [www.github.com/redsno422](https://www.github.com/redsno422) | [www.linkedin.com/in/ymostofi](https://www.linkedin.com/in/ymostofi)

## EDUCATION

**University of Illinois, Urbana-Champaign, BS in Computer Science**

Sept. 2015 - May 2018

*James Scholar, 3.54 GPA*

- Coursework: Data Structures, Computer Architecture, Discrete Structures, Probability in CS, Intro to CS, & Freshman Honors

## SKILLS

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

## WORK EXPERIENCE

**State Farm | Systems Intern**

Jan. 2016 - present

- Applying machine learning to detect car crashes with smartphone sensors
- Building iOS app and Python data processing server

**CS Department at UIUC | Undergraduate Research Assistant**

Sept. 2015 - present

- Built tools for supercomputer efficiency analysis to optimize development on supercomputing platforms
- Using PHP and MySQL for back-end; JQuery and HighCharts.js in the front-end
- Published paper [1] in fall 2015

**Revenue Conduit | Front-end Engineering Internship**

June - Aug. 2015

- Worked on designing and implementing JavaScript popup
- Researched various JavaScript frameworks with a focus on optimizing runtime in the client's browser
- Experienced working in an early-stage b2b startup (~1M in yearly revenue)

## 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/redsno422/3DSnap/](https://www.github.com/redsno422/3DSnap/)

- 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
- Preview at <http://yashamostofi.com/scouting>

## iOS Development

- Created completely from scratch - Fractal Trees - <https://itunes.apple.com/us/app/fractal-trees/id662750257?mt=8>
- Tutorial/book-based apps

## LEADERSHIP AND ORGANIZATIONS

- Web Chair of Reflections|Projections Conference
- Member of ACM and IEEE student chapters
- Member of HackIllinois Hacker Experience team