

# Mac Liu

*Computer Science at Iowa State University*

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## EDUCATION

### Iowa State University

**Bachelors of Science:** Computer Science

**GPA:** 4.0

**Graduation Date:** May 2018

## WORK HISTORY

### Iowa State University Department of Computer Science

*Undergraduate Research Assistant* *Fall 2016*

**Advisor:** Dr. Yan-Bin Jia

Will be conducting research on and developing a robotic system specialized on cutting deformable objects such as fruits and meats.

### Google

*Software Engineering Intern* *Summer 2016*

Worked on the Newsstand iOS Team and developed new features and tools, with Objective-C, for the Newsstand iOS mobile application.

### Principal Financial Group

*Software Development Intern* *Summer 2015*

Worked on web apps in C#/.NET, HTML, CSS, JS and SQL. Created a budgeting mobile app. Winner of the PFG 2015 Intern Code Jam.

### Rockwell Collins

*Software Engineering Coop* *Spring 2015*

Developed ALM tools using HTML, CSS, Python, Javascript, and Java to optimize performance on daily tasks. Created the most used, company wide, Jama tool as of May 2015.

### AgriSync

*Mobile Development Intern* *Fall 2014*

Worked with Objective-C, C#, and Xamarin to create and update the AgriSync app, a mobile app to connect farmers to retailers.

## AWARDS & RECOGNITIONS

Startup Weekend in Ames – 1<sup>st</sup> Place

Principal Leadership Conference Attendee 2015

HackISU 2015 – Venmo API Winner

Canvas My Campus – 1<sup>st</sup> Place

HackMidwest Hackathon 2014 – 2<sup>nd</sup> Place

HackISU Hackathon 2014 – 3<sup>rd</sup> Place

George Washington Carver Scholar

Iowa State University's Deans List

Iowa State University Honors Program

## SKILLS

### Programming

Java, Objective-C, Javascript, Swift, Node.js, HTML, CSS, Python, C#/.NET

### Software

Xcode, Eclipse, Visual Studio, Git, TFS, PhoneGap, Xamarin, MongoDB, SQL

## PROJECT

### EHireMe (iOS and Android) *Spring 2016*

Matches local businesses with potential new hires when both users swipe right on each other.

### Splash Talk (Android) *Summer 2015*

Bring texts to life by adding sound effects based off of the mood of the text.

### Expo (iOS and Android) *Spring 2015*

The Craigslist for college students! Uses user location to tie users to nearest university. Integrated Venmo as an option for payment

### FaceRate (iOS) *Spring 2015*

This app rates users on a 1-10 scale and predicts gender and race from an image of their face.

### Move. (iOS) *Spring 2015*

An events app that connects users with their favorite organizations.

### MyDining (iOS) *Fall 2014*

Reverse-engineered the current Flash-based, online ISUWebfood app and created an iOS app on top of it.

### More projects can be found on my website:

[macliu.github.io/portfolio](http://macliu.github.io/portfolio)

## EXTRACURRICULARS

Mobile Development Club (Social Chair 2014, 2015)

Computer Science/Software Engineering Club

ACM Programming Competition

Microsoft Coding Competition

Alpha Tau Omega Fraternity

Startup Weekend in Cedar Rapids

CyHack Club

HackISU Hackathon (2014, 2015)

HackMidwest Hackathon (2014, 2015)

Garmin Programming Showdown/CodeDay

CTC Workshops (Volunteer)