

# Haishan Ye

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## EDUCATION

University of Southern California, Los Angeles, CA

August 2013 - May 2015

M.S. in Computer Science, GPA 3.78

Related Coursework: Information Retrieval and Web Search Engines, Information Integration on the Web, Web Technologies, Database Systems, Applied Natural Language Processing

Tongji University, Shanghai, China

September 2009 - June 2013

B.E. in Software Engineering, GPA 3.63

## TECHNICAL SKILLS

**Programming Languages:** Objective-C, Swift, Java, Python, C/C++, Javascript, PHP, SQL

**Frameworks:** Cocoa Touch, UIKit, Core Data, Core Animation, Grand Central Dispatch, SpriteKit, AJAX, jQuery

**Development Tools:** Xcode, Sublime Text, Eclipse, Coda, Visual Studio, Git, Perforce, MySQL

## EXPERIENCE

**iOS Software Engineer Intern**, TiVo Inc., San Jose, CA

June 2014 - August 2014

- Designed and implemented a Today View extension prototype using iOS 8 new APIs
- Proposed new features based on iOS 8 investigation, which will be applied in upcoming version
- Improved third-party library management workflow by integrating CocoaPods into current project

**Core Developer**, VCard, Tongji University, Shanghai, China

September 2011 - August 2012

VCard is a 2-million-user Sina Weibo reader on iPad

- Devised the architecture and implemented the main functions for the application
- Enriched user experience by customizing UI controls and creating unique animations and gestures
- Optimized app performance in both memory usage and animation efficiency
- Refactored the code for three major updates in both framework and UI design

**Project Lead**, Flick Chess, USC, Los Angeles, CA

September 2014 - Current

Flick Chess is an iOS game project, selected in USC GamePipe Laboratory Game & Tech Showcase

- Planned the project lifecycle based on Scrum and coordinated related resource using Github
- Designed and implemented the logic layer architecture using Swift and Sprite Kit
- Identified and addressed problems in both game design and team collaboration

**iOS Software Engineer Intern**, GlanceAt team, Idealab, Pasadena, CA

September 2014 - Current

- Built a custom Email card view and reduced memory usage by applying view reuse mechanism
- Constructed fully featured calendar view component for GlanceAt mail client
- Defined and developed customized filters to process Emails in certain contexts

**Core Developer**, Stock Search Project, USC, Los Angeles, CA

March 2014 - May 2014

- Developed and deployed a PHP data fetching application on Amazon EC2
- Implemented data handling process using Java Servlets
- Built the website's front end using jQuery and integrated Facebook sharing functionality

**Core Developer**, CDI Lab System, Tongji University, Shanghai, China

January 2013 - November 2013

CDI Lab system is a client-server suite for Center of Digital Innovation, Tongji University

- Developed and deployed iPad app for controlling A/C and lighting in the lab environment
- Constructed the backend server and built RESTful web APIs for mobile apps
- Created several reusable customized UI components for iOS project

## ACADEMIC HONORS

WWDC 2012 Student Scholarship, Apple Inc.

June 2012

National Scholarship in China

October 2011