

## Education

**Georgia Institute of Technology**  
August 2016 - May 2020  
Atlanta, GA

Major	B. S. in Computer Science
Threads	Media and Intelligence
Graduation	Class of 2020

**Shanghai United International School**  
August 2013 - May 2016  
Shanghai, China

GPA	4.0/4.0
Course	International Baccalaureate
Diploma	IB Bilingual Diploma Award

## Work Experience

**ICT & Coding Teacher**  
Xiehe Summer School  
Summers 2015 - 2016

- Taught Objected-Oriented Programming with Xcode Playground to students aged 10 to 12
- Taught building computers and creating games in Scratch to students aged 6 to 9
- Gave lectures and helped students write and debug their programs

**Web Developer**  
Re•Action Lab  
January 2016 – March 2016

- Developed a full-stack media streaming website for students to share and comment on films and montages
- RESTful backend written in NodeJS, integrates with database through MongoDB and authenticates with Passport
- Created customized front-end pages and embedded video players written with vanilla HTML5, CSS and JavaScript

**Social Media Marketer**  
Shanghai Eco & More  
Summer 2015

- Worked with designers and marketing creatives to develop HTML5-based social-media campaigns
- Distributed and promoted campaigns through WeChat, one of the major social media platforms in China
- Analyzed and reported customer data from campaigns for continuous enhancements

## Projects

**SUIS Library Kiosk App**  
October 2015 - January 2016

- Developed, localized and internally deployed an iOS app for librarians to manage library inventory, generate PDF reports of inventory and for students to locate, preview and record a video review of books in the library
- Data modeled with CoreData APIs and syncs with iCloud across all kiosks in the library, PDF reports generated with graphic context in UIKit and videos handled with AVFoundation

**macOSLucidaGrande**  
Summer 2014

- Developed a small utility that allows users to customize Mac's system font
- Received 529 stars, 17 forks, 45 watches on Github in total across three major releases

**VibeFind App**  
Summer 2014

- Designed and prototyped a crowd-sourced restaurant review app with Keynote, Xcode Interface Builder and After Effects
- Pitched the app to a group of venture capitalists at UCLA at an entrepreneurship contest



# Kay Yin



Email

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Website

HiKay.github.io



Github

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## Skills

### Languages & APIs

- Proficient in Objective-C and in Cocoa and Cocoa Touch APIs
- Proficient in web languages and APIs such as HTML, CSS and JavaScript
- Proficient in C, Java, Swift and Python

### Applications

- Proficient in IDEs such as Xcode, Visual Studio and Atom
- Proficient in UNIX command-line tools such as bash and git
- Proficient in design software such as Sketch, Adobe Illustrator and Adobe After Effects
- Proficient in Keynote and PowerPoint for creating professional and engaging slideshows

### Operating Systems

- Proficient in deploying and maintaining Linux servers
- Proficient in working with macOS, iOS, desktop Linux and Microsoft Windows

## Researches & Publishments

### iOS and macOS API Compatibility

August 2015 - October 2015

- Researched upon backward compatibility of iOS and macOS applications
- Created a proof-of-concept run-time memory dylib patch to re-implement missing and modified API methods, therefore porting the built-in iOS Calendar app from iOS 6 to iOS 9
- Drafted a 4,000-word thesis about the study, then presented the findings in front of hundreds of audiences

### OS X Mountain Lion Review

April 2012 - May 2012

- Wrote an extensive review about user-facing features and underlying architectural changes in OS X Mountain Lion (10.8).
- Published the review on MacWorld Asia Magazine (Issue May 2012).

## Leadership

### Head Boy

Shanghai United International School

May 2015 - May 2016

### Chief Media Officer

Student Video Club @ SUIS

August 2014 - May 2016

### Lead Violinist

The SUIS Orchestra

August 2013 - May 2016

### Blue House Captain

Student Prefect Group @ SUIS

March 2014 - May 2015

### Regional Coordinator

Stepping Stones Volunteer English Teaching Programme

May 2014 - May 2015