

Kay Yin



Email

KayYin@gatech.edu



Phone

(404) 566-6000



Website

KayYin.ga



Github

github.com/HiKay

Education

Georgia Institute of Technology

August 2016 - May 2020

Atlanta, GA

GPA	3.7 / 4.0
Major	B. S. in Computer Science
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

Shanghai Re•Action

January 2016 - March 2016

- ▶ Developed RESTful backend written in NodeJS that 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

Two

Spring 2017 - Now

- ▶ Developed an iOS app that allows users to chat with customizable font and bubbles, send stitched screenshots and auto-expiring photos, as well as mirror videos or sketches in real time
- ▶ Created fully customized UI on top of UIKit without intermediate frameworks and handled networking with Firebase

SubtitleKit

October 2016 - December 2016

- ▶ Created Java classes and utilized built-in data structures to store, parse and reformat Closed Caption subtitles
- ▶ Worked with a caption translation agency to test the project, saving around an hour of manual parsing per 25-minute-long sitcom

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

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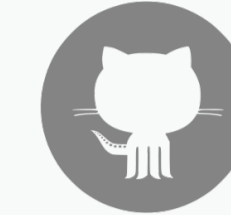
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Skills

Languages & APIs

- Experienced in Java and JavaFX
- Experienced in Objective-C and in iOS Cocoa Touch APIs
- Experienced in frontend and backend web technologies such as Node.js

Applications

- Experienced in IDEs such as Xcode, Visual Studio and Atom
- Experienced in UNIX command-line version control systems such as 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 working with macOS, iOS, desktop Linux and Microsoft Windows
- Experienced in deploying and maintaining Linux servers

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

GT iOS Club

Member

Spring 2017 - Now

Chief Media Officer

Student Video Club @ SUIS

August 2014 - May 2016

Lead Violinist

The SUIS Orchestra

August 2013 - May 2016

Head Boy

Shanghai United International School

May 2015 - May 2016

Regional Coordinator

Stepping Stones Volunteer English Teaching Programme

May 2014 - May 2015