



Education

Georgia Institute of Technology

August 2016 - May 2020

Atlanta, GA

Major Threads B. S. in Computer Science

Graduation

Media and Intelligence

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

Web Developer

Re•Action Lab

January 2016 – March 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
- 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

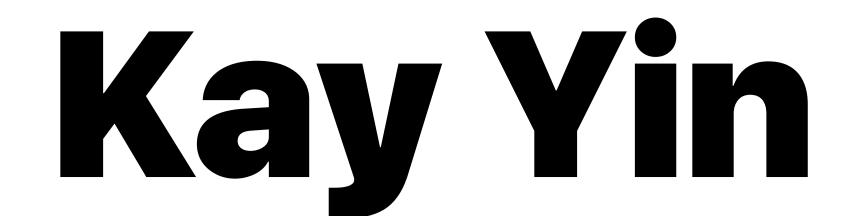
- Developed, localized and internally deployed an iOS app for librarians to manage library inventory, generate PDF reports of inventory and for students to locate, preview and record a video review of books in the library
- Data modeled with CoreData APIs and syncs with iCloud across all kiosks in the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

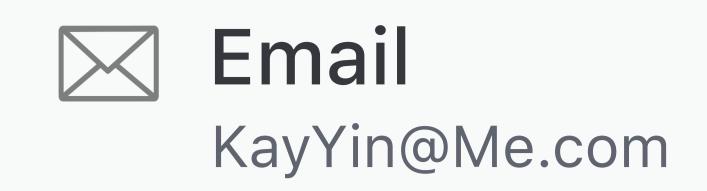
VibeFind App

Summer 2014

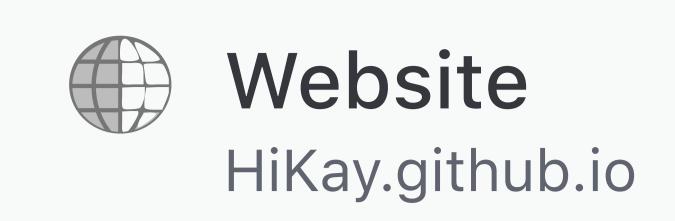
Summer 2014

- 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











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

- 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