

# Luming Yin

Web and Mobile Developer.



**Email**

LYIN36@gatech.edu



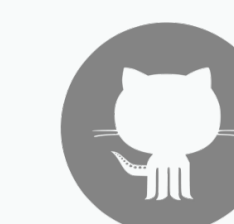
**Phone**

(404) 566-6000



**Website**

Luming.ga



**Github**

github.com/LumingYin

## Education

### Georgia Institute of Technology

August 2016 - May 2020

Atlanta, GA

<b>GPA</b>	3.7 / 4.0
<b>Major</b>	B. S. in Computer Science
<b>Graduation</b>	Class of 2020

### Shanghai United International School

August 2013 - May 2016

Shanghai, China

<b>GPA</b>	4.0 / 4.0
<b>Course</b>	International Baccalaureate
<b>Diploma</b>	IB Bilingual Diploma Award

## Work Experience

### Mobile Developer

Ingenious Med Inc.

Summers 2017

- ▶ Fixed production bugs related to data persistence and multithreading, made security improvements such as encrypting sensitive information for a medical billing iOS app
- ▶ Prototyped feature enhancements such as an OCR-based document scanner

### 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, then distributed and promoted these 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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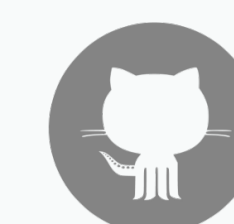
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## Skills

### 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

Tech Lead

Fall 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