

# JING WEI LI

Designer, Engineer & iOS Developer



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## ABOUT

iOS developer with a published app on the App Store and a successful iOS engineering internship. Other skills include graphic design, UI/UX design, software engineering, front-end web design & electrical and computers engineering.

## EXPERIENCE

2018  
- now

### Independent iOS Developer

- Designed, programmed an iOS App with an Apple Watch counterpart, Beatslytics, and published it on the App Store. The app enables the user to rediscover their music with relevant analytics information about their music library, and is programmed in Swift.
- Currently a registered Apple Developer Program member.

2018

### Mobile Software Engineering Intern

Modernizing Medicine | Boca Raton, FL

- Worked as an iOS developer to maintain three apps from Modernizing Medicine: PocketEMA, Telehealth and Kiosk, with Swift and Objective-C. These apps directly improve the lives of more than 160 million patients.
- Designed and implemented new features, new UI elements and carried out bug fixes while collaborating closely with a full-scale Scrum team.
- Implemented new features with major design patterns, such as MVC, MVVM with Reactive Programming, strategy, singleton and delegation.
- Issue tracking with JIRA, networking with AFNetworking & HTTP Debugging with Charles Proxy.

2018

### iOS Developer

RPI CSDT | Troy, NY

- Worked as an undergraduate researcher to develop iOS apps for viewing 3D models in a classroom setting, using cutting-edge technologies involving **Augmented Reality**.
- Adopted core iOS frameworks such as SceneKit & Model I/O for 3D model viewing, and ARKit for the augmented reality experience.
- Designed the UI and UX for the app from scratch.

2017  
- now

### Graphic Designer

Rensselaer Union | Troy, NY

- Apply graphic design skills in creating logos, posters, brochures, and other designs using Adobe Illustrator, Adobe InDesign and Adobe Photoshop. Networked with clubs & organizations to accommodate for special graphic design needs.

2016

### AutoCAD Design Intern

Quadlogics Control Corp | New York, NY

- Drafted 10+ AutoCAD schematics of complex electrical products to enable smooth production of electronics.
- Verified 200+ service statuses of electrical products using TeraTerm in order to improve the satisfaction rating of the company.
- Assisted with EE processes such as soldering.

## EDUCATION

### Rensselaer Polytechnic Institute | 2016 - 2020

B.S. Computer Science & Computer Engineering Dual Major

GPA: 3.08 | Rensselaer Leadership Award Winner

## RELEVANT COURSEWORK

Data Structures, CAD, Embedded Control, Computer Components & Operations, Electric Circuits, Intro to Electronics, Foundations of Computer Science, Intro to Algorithms, Principles of Software & Programming Languages

## PROJECTS

2018

### SmartDesk - IED Project

- Designed and coded an iOS BLE app using Core Bluetooth to remotely control a smart home accessory.
- Built Arduino electronics to process the app's commands and carry out changes through hardware.

2017  
- now

### Personal Website - [ljw980105.github.io](https://github.com/ljw980105)

- Designed a fully-responsive personal website entirely from scratch in JetBrains WebStorm, using HTML, CSS, JavaScript, jQuery and ReactJS.
- Reverse-engineered the mobile game 2048 using ReactJS and the MVC pattern.

2017

### Embedded Control - Fall 2017

- Utilized the SiLabs C8051 microcontroller unit to engineer a series of embedded systems, which include a Smart Car and a Gondola both capable of steering, driving and course correction, using the C language, A/D Conversion, I<sup>2</sup>C, PWM and PID control algorithms.

## SKILLS

8

### programming languages:

Python, Java, C++, C, Objective-C, Swift, JavaScript & Kotlin

7

### mobile development skills:

iOS & watchOS dev w/ Swift & ObjC, Xcode, AppCode, Storyboarding, iOS Networking, iTunes Connect & TestFlight.

7

### engineering skills:

AutoCAD, MatLab, Siemens NX, Embedded Systems, Logic Design, Circuit Design & Arduino

7

### general software tools:

Git, MS Office, MS Windows, macOS, iOS, watchOS & Linux

6

### web design skills:

HTML, CSS, Sass, jQuery, ReactJS & Dreamweaver

5

### digital design tools:

Photoshop, Illustrator, InDesign, Lightroom & Adobe XD

4

### video editing tools:

Premiere Pro, After Effects, Audition & Final Cut Pro