

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 and published an iOS App with an Apple Watch counterpart, **Beatslytics**, to 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

Rensselaer Leadership Award Winner

RELEVANT COURSEWORK

Data Structures, CAD, Calculus I – III, Differential Equations, Physics I - II, Embedded Control, Computer Components & Operations, Electric Circuits, Foundations of Computer Science, Intro to Algorithms & Principles of Software

PROJECTS

2017
- now

Personal Website - ljw980105.github.io

- Designed a fully-responsive personal website entirely from scratch, using HTML, CSS, JavaScript, jQuery and ReactJS.
- Reverse-engineered the mobile game 2048 using ReactJS and the MVC pattern. See it in action in the games tab of my website.
- Experience working with Dreamweaver, JetBrains Webstorm and GitHub Pages.

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.
- Gained experience programming the microcontroller using the C programming language, analog to digital conversion, I²C, 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