

# JING WEI LI



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github.com/ljw980105/

## OBJECTIVE

To obtain a summer internship or an undergraduate research position in the field of electrical engineering, computer engineering or computer science.

**Note: I am a permanent resident of the United States and do not require Visa Sponsorship for employment.**

## EXPERIENCE

### iOS Developer

*RPI CSDT GROUP*

*01/2018 - PRESENT*

- Working as an undergraduate researcher to develop iOS apps for viewing 3D models in a classroom setting, using cutting-edge technologies involving Augmented Reality.
- Key areas of expertise: UIKit, UITableView, UICollectionView, SceneKit, ARKit, Core Data, Core Motion, Xcode 9 and Swift 4.

### Graphic Designer and Web Designer

*RPI STUDENT UNION*

*01/2017 - PRESENT*

- Apply graphic design skills in creating logos, posters, brochures, and other designs using Adobe Illustrator, Adobe InDesign and Adobe Photoshop.
- Designed promotional materials that were viewed by more than 1700 members of the freshman class.
- Maintain RPI Union Websites using Drupal.

### Electronic Manufacturing / AutoCAD Intern

*QUADLOGIC CONTROLS CORP*

*02/2016 - 05/2016*

- 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 electronic manufacturing processes such as soldering.

### Programming Team Captain & Video Editor

*FIRST ROBOTICS TEAM 1635*

*09/2013 - 06/2016*

- Developed a course-correction algorithm in Java to ensure that the robot drives straight despite external forces that could render it off-course. It was accomplished with the help of an onboard gyroscope.
- Utilized Java and Arduino to program WPILib – based robots. The 2016 robot ranked #5 in NYC Regional Competition.
- Developed strong leadership, communication and time management skills dealing with various challenges in the 6-week designing process.
- Filmed and produced professional videos documenting the entire robotics journey, receiving over 20,000 views.

## CERTIFICATIONS

**Microsoft Office Specialist - PowerPoint 2013**, Certiport

- License Number: 13410139

June 2016

## EDUCATION

### Rensselaer Polytechnic Institute (RPI)

**B.S.**, Computer Science & Computer Systems Engineering

**GPA: 3.11 / 4.0**

**Expected Graduation Date:** May 2020

**Rensselaer Leadership Award & Dean's List**

**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

### Personal Website - url: [ljw980105.github.io](http://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.
- Gained experience with web design software & workflows such as Dreamweaver, JetBrains Webstorm. and GitHub Pages.

### 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, as well as utilizing EE techniques including analog to digital conversion, I<sup>2</sup>C, pulse width modulation and PID control algorithms.

## SKILLS



**LANGUAGES:** Bilingual: fluent in English and Chinese



**IDES:** CLion, WebStorm, PyCharm, Eclipse, NetBeans, SiLabs IDE, Wing IDE, Xcode



**CODING:** Python, Java, C++, C, iOS Development, Swift, Git, Arduino



**WEB DESIGN:** HTML, CSS, Sass, JavaScript, jQuery, ReactJS, Adobe Dreamweaver



**BASIC:** Windows 7/8/10, macOS, iOS, Microsoft Office, Adobe Acrobat



**ENGINEERING:** AutoCAD, MatLab, Siemens NX, Soldering, Embedded Systems, Logic Design



**IMAGING & DESIGN:** Adobe Photoshop, Adobe Illustrator, Adobe InDesign, Adobe Lightroom



**VIDEO EDITING:** Adobe Premiere Pro, Adobe After Effects, Adobe Audition, Final Cut Pro